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Government  
Publications

REPORT  
OF THE  
**Minister of Lands and Forests**  
OF THE  
**PROVINCE OF ONTARIO**

For the Fiscal Year ending

**March 31, 1947**

PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO



TORONTO

Printed and Published by Baptist Johnston, Printer to the King's Most Excellent Majesty  
1948



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SESSIONAL PAPER No. 3, 1948



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To His Honour,

*The Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOUR:

The undersigned begs respectfully to present to your Honour, the Annual Report of the Department of Lands and Forests for the fiscal year April 1, 1946, to March 31, 1947.

H. R. SCOTT,

*Minister.*

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## GENERAL INTRODUCTION

This report, which covers the year ending 31st March, 1947, shows the Department expenditure at a comparatively high level. Expenditure is more than double that of the fiscal year ending in 1939.

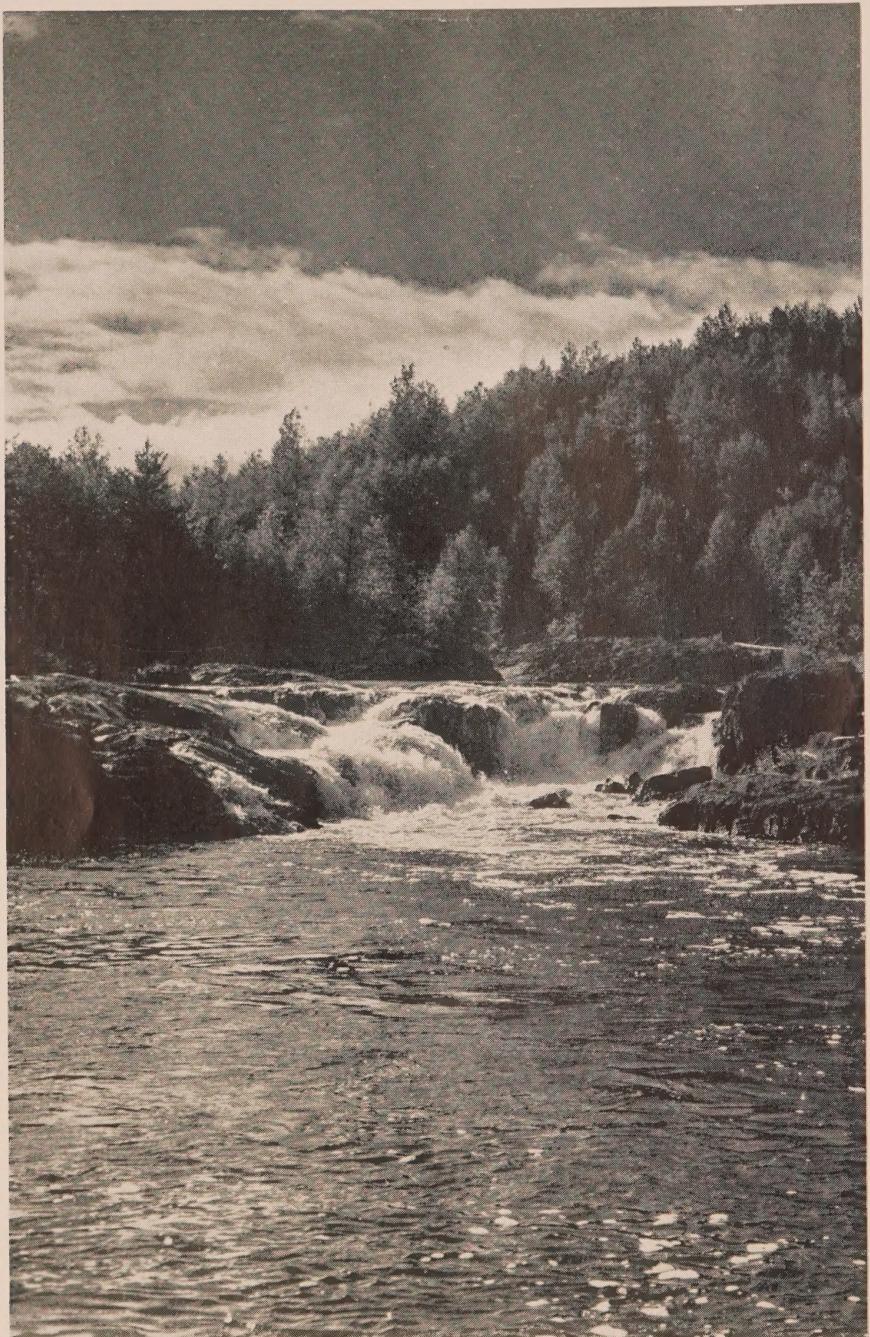
Following the outbreak of war the Department made every effort to improve the quality of service rendered. Progress in this connection was, of course, dependent upon available man power, equipment and supplies. Due to sharply rising costs absorbing an increasing proportion of our financial resources, progress was equally dependent upon available funds.

In the pre-war period the cost of maintaining a seasonal fire ranger was four hundred dollars. The present cost is seven hundred dollars for ranger labour of similar quality. Ranger labour of a quality satisfactory for Forest Ranger School training requires double the funds expended on ranger labour in the pre-war period. With equipment and operating supplies, together with wages of other personnel requiring sharply increased expenditure, a substantial drain is placed upon funds provided in the post-war period for expansion of our services.

Greater emphasis placed on careful management of resources has offset in no small degree, shrinkage in the purchasing value of the dollar. Additional funds placed at our disposal have made up the remaining shrinkage in value, permitted betterment in quality of service rendered and some expansion in service. Further expansion in the management of the natural resources of the Province entrusted to this Department, is in no small part dependent upon increased funds available for this purpose.

The report on the work of the Department is listed under the following headings:

|                             |                         |
|-----------------------------|-------------------------|
| Accounts                    | Operation and Personnel |
| Air Service                 | Reforestation           |
| Fish and Wildlife           | Research                |
| Forest Protection           | Surveys and Engineering |
| Land and Recreational Areas | Timber Management       |
| Law                         |                         |



God's COUNTRY

## DIVISION OF ACCOUNTS

## GENERAL

As of 15th April, 1946, the Minister of Lands and Forests was charged with the administration of the former Department of Game and Fisheries, which became the Fish and Wildlife Division of the Department of Lands and Forests. For accounting purposes all receipts and expenditures of the former Department of Game and Fisheries are included under the Fish and Wildlife Division from 1st April, 1946, and a separate accounting made for this new Division.

A. DEPARTMENT OF LANDS AND FORESTS (OTHER THAN FISH AND WILDLIFE DIVISION)

The financial report sets out a substantial increase—\$1,862,412.—in expenditures appropriation of the Department as compared with the previous year. This increased appropriation was required for—

- (1) Air Service Equipment.
- (2) Construction of Ranger School at Dorset.
- (3) Expansion in field work of the Reforestation, Forest Research and Timber Management Divisions.

This increased expenditure was partly offset by an increase in cash receipts—\$1,551,500.—as compared with the previous year. Revenue for the year was the highest in the history of the Department with most sources of revenue showing improvement, particularly receipts from sale of Crown timber. This result was due to an increase in available woods labour following the close of hostilities, and a sharp upswing in tourist trade throughout the Province.

Following the policy of obtaining the closest possible co-operation between Field and Main Offices, officers of this Division made the following field inspections, for purposes of instruction of Field Officers and inspection of work programs—and Provincial Land Tax Courts of Revision:

- (a) *Reforestation Field Offices*: Angus, Midhurst, St. Williams.
- (b) *District Offices*: Algonquin Park, Chapleau, Cochrane, Galt, Fort Frances, Geraldton, Gogama, Kapuskasing, Kemptville, Kenora, Lindsay, North Bay, Parry Sound, Port Arthur, Sault Ste. Marie, Sioux Lookout, Sudbury, Tweed.
- (c) *Other Field Offices*: Ottawa, Pembroke, Ranger School (Dorset).
- (d) *Sundry*: Bracebridge, Little Current, Haileybury.

B. FISH AND WILDLIFE DIVISION—FORMERLY THE DEPARTMENT OF GAME AND FISHERIES

Receipts and Disbursements for the year are shown separately in Schedule G, Page 24.

A substantial increase—\$449,313.09—in the expenditure appropriation for the year, as compared with the previous year, was required. This increased appropriation was required for

- (1) Enforcement of the Game and Fisheries Act.
- (2) Hatcheries—Operation and maintenance.
- (3) Erecting buildings; Purchase of Land, Buildings and Equipment.

The increase in expenditure was more than offset by an increase in cash receipts—\$597,034.99—as compared with the previous year. Revenue for the year was the highest in history, with most sources of revenue showing improvement, particularly receipts from the sale of Hunting and Angling Licences. This was due to a sharp upswing in tourist trade throughout the Province.

### FINANCIAL REPORT

1. *Cash Receipts and Disbursements:*

Statement for the year ending March 31, 1947 is set out on Schedule A, page 10. The following summarizes the result of operations for the year.

|  |                |
|--|----------------|
| Total—Cash Receipts.....                   | \$8,414,947.24 |
| Total—Cash Disbursements.....              | 5,961,805.96   |
| Excess of Receipts over Disbursements..... | \$2,453,141.28 |

2. *Comparison of Results with those of Prior Years:*

(a) *Receipts*

In Schedule B, page 16, cash receipts for the year under review have been compared with those of the previous four years. This data may be summarized as follows:

| DIVISION                         | Years ending March 31st |                  |                  |                  |                  |
|----------------------------------|-------------------------|------------------|------------------|------------------|------------------|
|                                  | 1943<br>\$              | 1944<br>\$       | 1945<br>\$       | 1946<br>\$       | 1947<br>\$       |
| <b>Accounts—</b>                 |                         |                  |                  |                  |                  |
| Water Power Rentals.....         | 648,485                 | 618,901          | 609,425          | 654,979          | 680,568          |
| Provincial Land Tax.....         | 146,014                 | 158,745          | 175,342          | 209,459          | 204,475          |
| Long Lac Diversion.....          | 44,850                  | 21,750           | 21,300           | 20,850           | 20,400           |
| Miscellaneous.....               | 4,267                   | 5,939            | 20,388           | 9,048            | 46,071           |
| Land and Recreational Areas..... | 173,779                 | 273,754          | 294,308          | 338,258          | 430,644          |
| Forest Protection.....           | 51,825                  | 22,917           | 26,850           | 30,943           | 46,402           |
| Timber Management.....           | 4,982,281               | 4,561,734        | 4,241,581        | 5,554,781        | 6,944,104        |
| Surveys.....                     | 3,438                   | 13,293           | 1,275            | 459              | 1,652            |
| Air Service.....                 | 6,946                   | 19,448           | 12,417           | 25,284           | 15,258           |
| Reforestation.....               | 8,453                   | 26,138           | 10,559           | 19,386           | 25,373           |
| Lignite Development.....         | 924                     | 16               | .....            | .....            | .....            |
|                                  | <u>6,071,262</u>        | <u>5,722,635</u> | <u>5,418,445</u> | <u>6,863,447</u> | <u>8,414,947</u> |

(b) The following is a comparison of total disbursements for the five years ending March 31, 1947:

|   | Years ending March 31st |           |           |           |           |
|---|-------------------------|-----------|-----------|-----------|-----------|
|   | 1943                    | 1944      | 1945      | 1946      | 1947      |
| Total Disbursements—                                      | \$                      | \$        | \$        | \$        | \$        |
| Chargeable to appropriation as voted.....                 | 2,799,689               | 3,040,901 | 3,572,225 | 3,988,394 | 5,961,806 |
| Additional Disbursements—                                 |                         |           |           |           |           |
| Uncontrollable items, chargeable to Special Warrants..... | 701,296                 | .....     | .....     | 111,000   | .....     |
| Total Disbursements.....                                  | 3,500,985               | 3,040,901 | 3,572,225 | 4,099,394 | 5,961,806 |

(c) *Trend of Receipts and Disbursements*

i. *Receipts*

Annual Receipts 1947 as compared with 1943 show an increase of approximately \$2,343,685.00 or 38.6 per cent. This increase is due in large part to increased revenue from:

|                                  |                |
|----------------------------------|----------------|
| Land and Recreational Areas..... | \$ 256,865.00  |
| Timber Management.....           | 1,961,823.00   |
| Land Tax.....                    | 58,461.00      |
| Miscellaneous.....               | 41,804.00      |
| Water Power.....                 | 32,083.00      |
|                                  | \$2,351,036.00 |

ii. *Disbursements*

Annual Disbursements 1947 as compared with 1943 show an increase of \$2,460,821.00 or 70.3 per cent. This increase is accounted for in large part by the following items:

|  |                |
|--|----------------|
| Main Office.....   | \$ 161,665.00  |
| Air Service.....   | 334,053.00     |
| Forest Research.....                                     | 221,174.00     |
| Basic Organization, Extra Fire Fighting and Scaling..... | 1,897,489.00   |
| Construction and Operating Forest Ranger School.....     | 323,429.00     |
| Reforestation.....                                       | 208,976.00     |
|  | \$3,146,786.00 |

Less special Disbursements applicable in 1943:

|  |                |
|--|----------------|
| Hydro-Electric Power Commission of Ontario<br>re Long Lac Diversion..... | 400,000.00     |
| Lignite Development Project.....   | 299,993.00     |
|  | 699,993.00     |
|  | \$2,446,793.00 |

(d) *Fish and Wildlife Division*

Receipts and Disbursements of this Division are separately shown in Schedule G, page 24.

## Schedule A.

 DEPARTMENT OF  
 STATEMENT OF RECEIPTS  
 FOR THE YEAR ENDING

## RECEIPTS

## DIVISION OF ACCOUNTS

|   |               |
|---|---------------|
| Water Power Rentals.....                    | \$ 680,568.56 |
| Provincial Land Tax.....                    | 204,474.57    |
| Long Lac Diversion.....                     | 20,400.00     |
| Casual Fees, Surveys Office Fees, etc. .... | 11,070.65     |
| Contractors' Security Deposits              |               |
| Forest Ranger School.....                   | 20,000.00     |
| Forest Resources Inventory.....             | 15,000.00     |
|   | -----         |
|   | \$ 951,513.78 |

## DIVISION OF LAND AND RECREATIONAL AREAS

## Land Sales

|                     |              |
|---------------------|--------------|
| Agricultural.....   | \$ 27,157.22 |
| Summer Resort ..... | 54,976.37    |
| Townsites.....      | 28,377.60    |
| University.....     | 401.49       |
| Clergy School.....  | 288.00       |
| Common School.....  | 148.00       |
| Miscellaneous.....  | 40,151.34    |
| Unallocated.....    | 110,365.94   |
|                     | -----        |
|                     | 261,865.96   |

## Land Rentals (Other than Parks)

|  |           |
|--|-----------|
| Leases and Licenses of Occupation..... | 95,445.89 |
| Bruce Beach.....                       | 1,591.72  |
| Timagami Islands.....                  | 1,855.56  |
|  | -----     |
|  | 98,893.17 |

## Park Revenue

|                    |             |
|--------------------|-------------|
| Algonquin          |             |
| Rentals.....       | \$ 9,355.82 |
| Miscellaneous..... | 21,882.41   |
|                    | -----       |
|                    | 31,238.23   |

## Rondeau

|                    |           |
|--------------------|-----------|
| Rentals.....       | 12,950.03 |
| Miscellaneous..... | 3,048.61  |
|                    | -----     |
|                    | 15,998.64 |

## Quetico

|                    |           |
|--------------------|-----------|
| Rentals.....       | 60.75     |
| Miscellaneous..... | 13,694.31 |
|                    | -----     |
|                    | 13,755.06 |

## Ipperwash Beach

|                    |           |
|--------------------|-----------|
| Miscellaneous..... | 1,238.25  |
|                    | -----     |
|                    | 62,230.18 |

## Miscellaneous Revenue.....

 7,655.05  
 -----  
 430,644.36

Carried Forward..... \$1,382,158.14

LANDS AND FORESTS  
AND DISBURSEMENTS  
MARCH 31, 1947

## Schedule A.

## DISBURSEMENTS

## MAIN OFFICE

|  |               |
|--|---------------|
| Minister's Salary—Statutory .....                        | \$ 8,000.00   |
| Salaries—Permanent and Temporary .....                   | 445,994.29    |
| Travelling Expenses .....                                | 33,446.70     |
| Maintenance and Operating .....                          | 68,199.80     |
| Damage and Other Claims, Sundry Contingencies, etc. .... | 595.00        |
| Compensation for Injured Workmen .....                   | 23,140.73     |
| Cost of Living Bonus—Entire Department .....             | 1,604.96      |
| Unemployment Insurance Stamps .....                      | 51.51         |
| Annuities and Bonuses to Indians .....                   | 24,508.00     |
| Refund to Municipalities re Timber Dues .....            | 806.05        |
| Refund to University of Toronto re Wild Lands .....      | 246.62        |
|  | -----         |
|  | \$ 606,593.66 |

## FIELD SERVICES

## DIVISION OF SURVEYS

|  |           |
|--|-----------|
| Grant—Board of Surveyors .....               | 200.00    |
| Aerial Surveys, Salaries, etc. ....          | 1,882.82  |
| Ground Surveys, Miscellaneous Expenses ..... | 39,843.07 |
|  | -----     |
|  | 41,925.89 |

## DIVISION OF FOREST RESEARCH (See Schedule "D" Page 21)

|                                 |            |
|---------------------------------|------------|
| Salaries—Temporary .....        | 83,651.45  |
| Travelling Expenses .....       | 15,277.29  |
| Maintenance and Operating ..... | 122,245.54 |
|                                 | -----      |
|                                 | 221,174.28 |

## FIELD OPERATIONS (Including Provincial Parks)

|   |              |
|---|--------------|
| Basic Organization (See Schedule "E" Page 22) |              |
| Salaries .....                                | 1,509,860.80 |
| Travelling Expenses .....                     | 108,577.75   |
| Maintenance and Operating .....               | 1,689,751.97 |
|   | -----        |
|   | 3,308,190.52 |

## Extra Fire Fighting

|                                 |            |
|---------------------------------|------------|
| Salaries—Temporary .....        | 205,201.34 |
| Travelling Expenses .....       | 10,367.17  |
| Maintenance and Operating ..... | 86,222.82  |
|                                 | -----      |
|                                 | 301,791.33 |

## Scaling

|                                 |            |
|---------------------------------|------------|
| Salaries—Temporary .....        | 343,519.19 |
| Travelling Expenses .....       | 24,288.82  |
| Maintenance and Operating ..... | 15,592.19  |
|                                 | -----      |
|                                 | 383,400.20 |

## Clearing Townsites and Removal of Fire Hazards

|  |                |
|--|----------------|
| Salaries, etc. Maintenance and Operating ..... | 4,255.28       |
| Carried Forward .....                          | \$4,867,331.16 |

Schedule (A *Continued*)DEPARTMENT OF  
STATEMENT OF RECEIPTS  
FOR THE YEAR ENDING

## RECEIPTS

|   |                |
|---|----------------|
| Brought Forward.....  | \$1,382,158.14 |
| <b>DIVISION OF FOREST PROTECTION</b>                            |                |
| Miscellaneous.....  | 46,401.74      |
| <b>DIVISION OF TIMBER MANAGEMENT (See Schedule "C" Page 20)</b> |                |
| Crown Dues.....   | \$6,175,443.93 |
| Ground Rent.....  | 125,060.70     |
| Fire Tax.....   | 461,163.51     |
| Scalers' Wages.....   | 9,041.63       |
| Interest.....   | 6,184.37       |
| Mill Licenses.....  | 1,000.51       |
| Cullers Examination Fees and Sundry.....                        | 1,425.63       |
| Cash Deposits.....  | 164,784.11     |
|   | <hr/>          |
|   | 6,944,104.39   |
| <b>DIVISION OF SURVEYS</b>                                      |                |
| Aerial Surveys—Net Receipts.....                                | 1,651.44       |
| <b>DIVISION OF AIR SERVICE</b>                                  |                |
| Miscellaneous.....  | 15,258.36      |
| <b>DIVISION OF REFORESTATION</b>                                |                |
| Miscellaneous.....  | 25,373.17      |
|   | <hr/>          |
|   | \$8,414,947.24 |

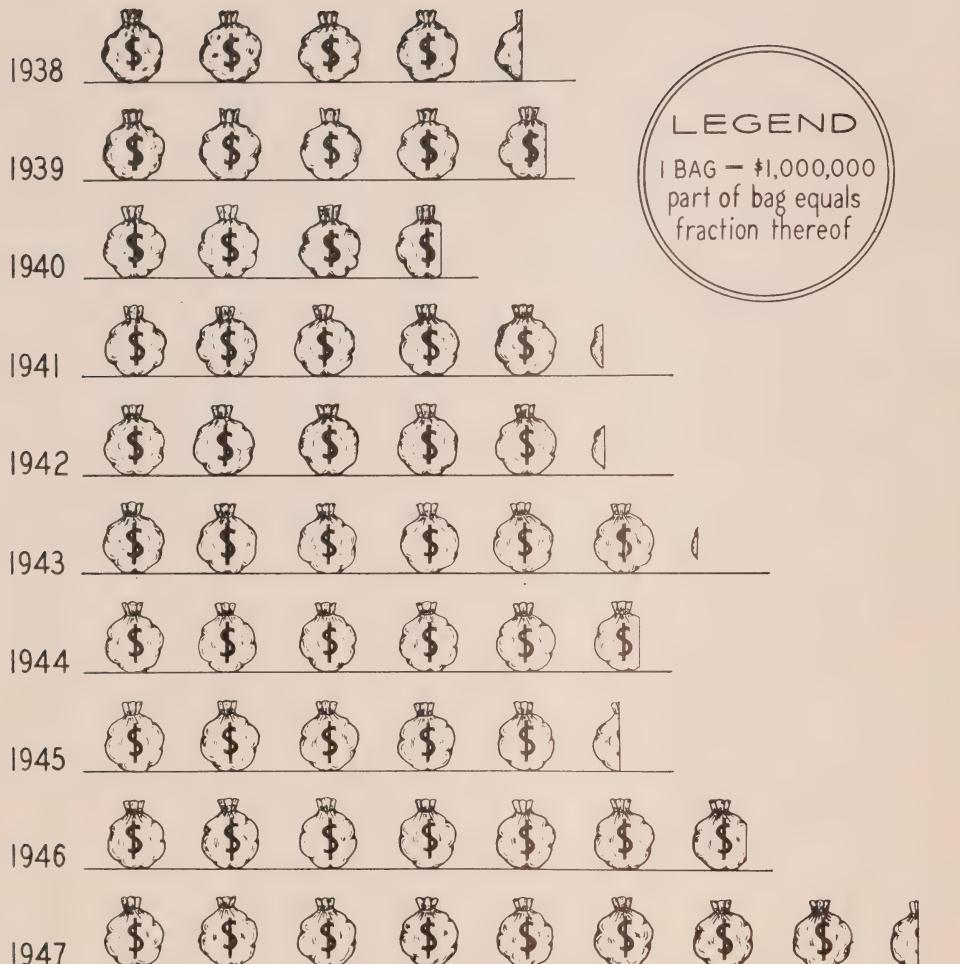
LANDS AND FORESTS  
AND DISBURSEMENTS  
MARCH 31, 1947

Schedule A (*Continued*)

## DISBURSEMENTS

|   |                |
|---|----------------|
| Brought Forward.....  | \$4,867,331.16 |
| DIVISION OF AIR SERVICE (See Schedule "F" Page 23)  |                |
| Salaries.....   | \$ 198,985.58  |
| Travelling Expenses.....  | 5,649.17       |
| Maintenance and Operating.....  | 402,433.28     |
|   | 607,068.03     |
| DIVISION OF REFORESTATION   |                |
| Salaries.....   | \$ 348,298.24  |
| Travelling Expenses.....  | 28,039.14      |
| Maintenance and Operating.....  | 110,662.90     |
|   | 487,000.28     |
| Grants to Municipalities in Compensation for<br>Loss of School Taxes.....                             | 406.49         |
|   | 487,406.77     |
| Total Disbursements.....  | 5,961,805.96   |
| Excess of Receipts over Disbursements—Paid into<br>the Consolidated Revenue Fund of the Province..... | 2,453,141.28   |
|   | \$8,414,947.24 |

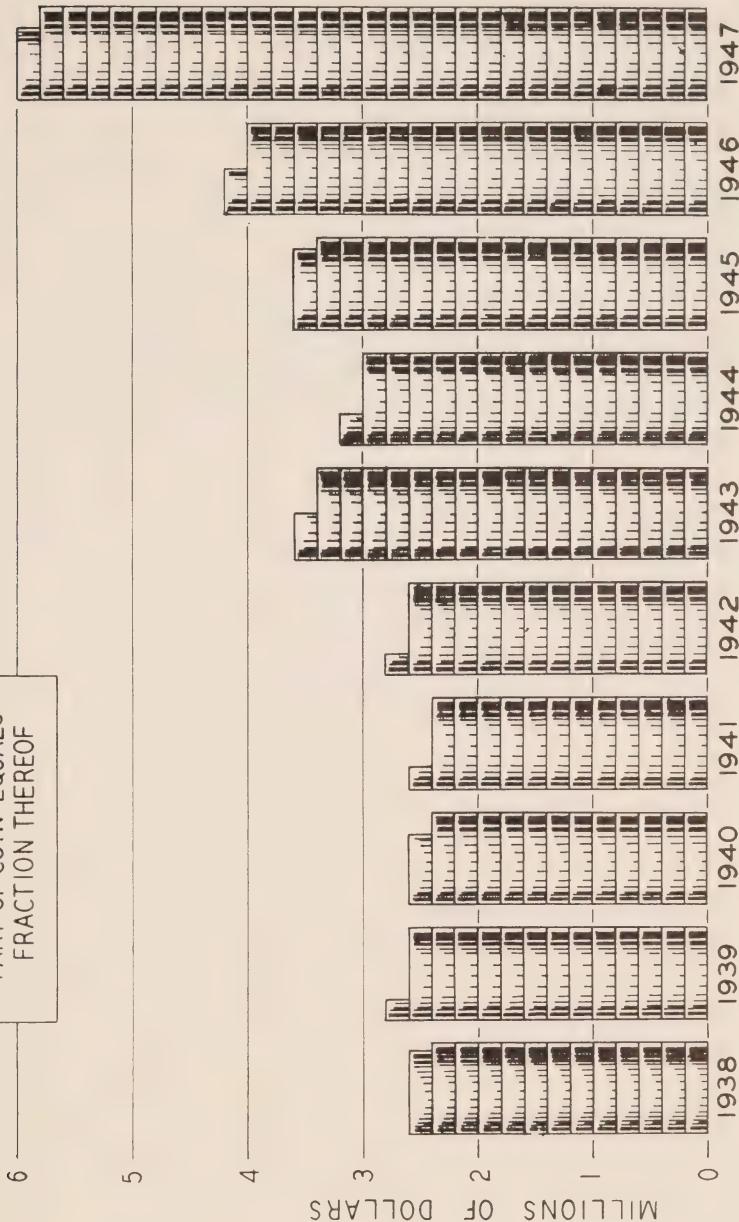
Fish and Wildlife Division—Receipts and Disbursements are not included in the foregoing. These are separately shown in Schedule "G" Page 24.



RECEIPTS FOR THE FISCAL YEARS 1938-1947.

**LEGEND**

5 COINS = \$1,000,000.  
 1 COIN = \$200,000.  
 PART OF COIN EQUALS  
 FRACTION THEREOF



DISBURSEMENTS FOR THE FISCAL YEARS 1938-1947.

## Schedule B

DEPARTMENT OF  
COMPARISON OF RECEIPTS FOR

1943

| DIVISION OF ACCOUNTS   |                |
|--|----------------|
| Water Power Rentals.....   | \$ 648,484.87  |
| Provincial Land Tax.....   | 146,013.91     |
| Long Lac Diversion.....  | 44,850.00      |
| Refunds—Re Flowage Easements.....  | 113.20         |
| Casual Fees, etc.....  | 3,191.91       |
| Galt Lease.....  |                |
| Contractor's Security Deposit on Forest Insect Laboratory<br>Construction Project..... |                |
| Contractor's Security Deposit on Forest Ranger School.....                             |                |
| Contractor's Security Deposit on Forest Resources Inventory.....                       |                |
|  | 842,653.89     |
| DIVISION OF LAND AND RECREATIONAL AREAS  |                |
| Land Sales.....  | 69,162.08      |
| Land Rentals (Other than Parks).....   | 65,982.01      |
| Park Revenue—Including Park Rentals  |                |
| Algonquin.....   | 18,508.87      |
| Rondeau.....   | 13,402.73      |
| Quetico.....   | 5,983.60       |
| Ipperwash Beach.....   | 739.61         |
| Miscellaneous Revenue.....   | 962.06         |
|  | 174,740.96     |
| DIVISION OF FOREST PROTECTION  |                |
| Radio Service.....   | 23,155.68      |
| Miscellaneous.....   | 28,669.50      |
|  | 51,825.18      |
| DIVISION OF TIMBER MANAGEMENT  |                |
| Crown Dues, Ground Rent, Fire Tax, etc.....  | 4,982,281.03   |
| DIVISION OF SURVEYS  |                |
| Lac Seul Storage Dam.....  |                |
| Aerial Surveys—Net Receipts.....   | 3,438.31       |
|  | 3,438.31       |
| DIVISION OF AIR SERVICE  |                |
| Miscellaneous.....   | 6,945.96       |
| DIVISION OF REFORESTATION  |                |
| Miscellaneous.....   | 8,453.36       |
| LIGNITE DEVELOPMENT  |                |
| Miscellaneous.....   | 923.75         |
| Total Receipts.....  | \$6,071,262.44 |

## LANDS AND FORESTS

## Schedule B

5 YEARS ENDING MARCH 31, 1947

| 1944           | 1945           | 1946           | 1947           |
|----------------|----------------|----------------|----------------|
| \$ 618,901.26  | \$ 609,425.12  | \$ 654,978.77  | \$ 680,568.56  |
| 158,744.95     | 175,341.55     | 209,459.44     | 204,474.57     |
| 21,750.00      | 21,300.00      | 20,850.00      | 20,400.00      |
| 93.76          | .....          | .....          | .....          |
| 2,924.52       | 4,719.34       | 9,047.69       | 11,070.65      |
| 2,921.00       | 669.00         | .....          | .....          |
| .....          | 15,000.00      | .....          | .....          |
| .....          | .....          | .....          | 20,000.00      |
| .....          | .....          | .....          | 15,000.00      |
| 805,335.49     | 826,455.01     | 894,335.90     | 951,513.78     |
| 118,745.26     | 155,219.01     | 193,061.14     | 261,865.96     |
| 107,517.94     | 89,484.59      | 90,988.56      | 98,893.17      |
| 22,422.53      | 19,573.53      | 23,759.48      | 31,238.23      |
| 15,201.66      | 15,152.86      | 15,017.47      | 15,998.64      |
| 6,435.81       | 7,572.01       | 8,868.97       | 13,755.06      |
| 235.80         | 623.15         | 575.50         | 1,238.25       |
| 3,195.43       | 6,683.40       | 5,986.66       | 7,655.05       |
| 273,754.43     | 294,308.55     | 338,257.78     | 430,644.36     |
| .....          | .....          | .....          | .....          |
| 22,916.40      | 26,850.25      | 30,942.78      | 46,401.74      |
| 22,916.40      | 26,850.25      | 30,942.78      | 46,401.74      |
| 4,561,733.49   | 4,241,581.00   | 5,554,781.31   | 6,944,104.39   |
| 11,685.22      | .....          | .....          | .....          |
| 1,607.26       | 1,274.94       | 458.95         | 1,651.44       |
| 13,292.48      | 1,274.94       | 458.95         | 1,651.44       |
| 19,448.31      | 12,416.85      | 25,284.13      | 15,258.36      |
| 26,137.92      | 10,558.66      | 19,386.47      | 25,373.17      |
| 16.44          | .....          | .....          | .....          |
| \$5,722,634.96 | \$5,413,445.26 | \$6,863,447.32 | \$8,414,947.24 |

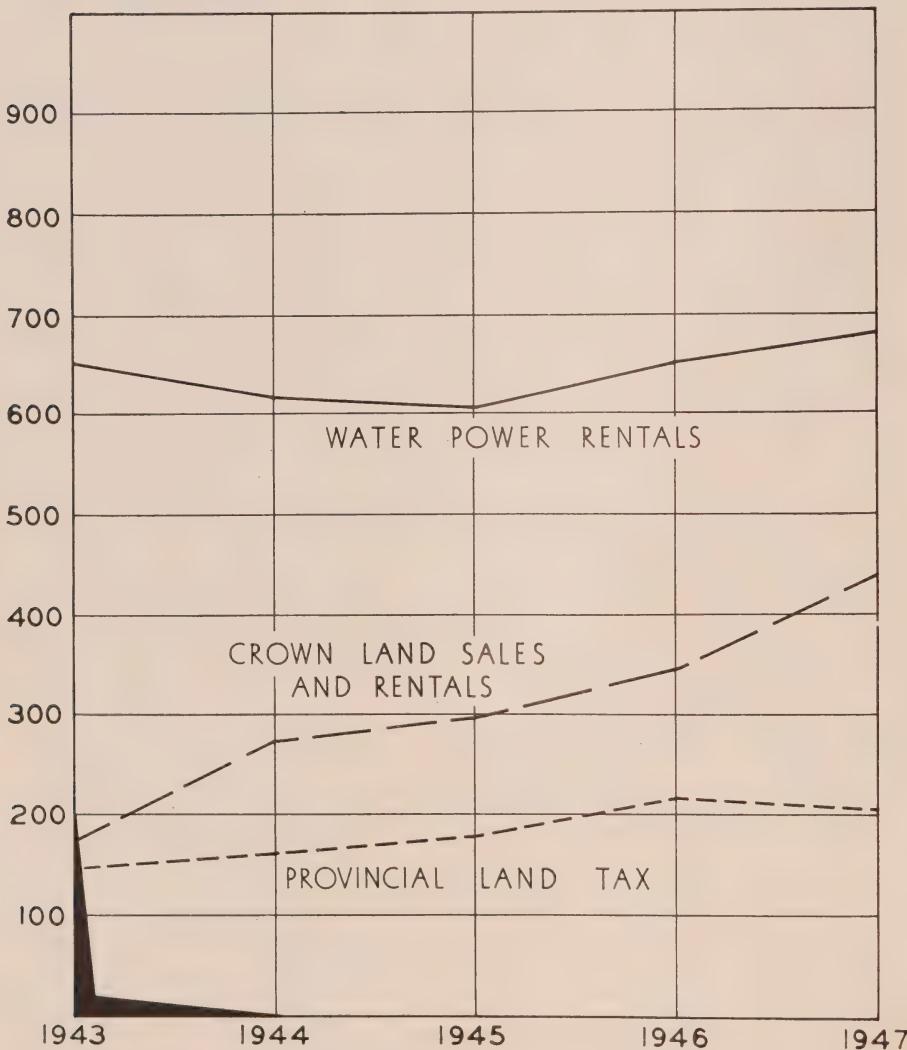
Fish and Wildlife Division Receipts not included in the foregoing. Receipts for year ending March 31st, 1947, are shown in Schedule "G" Page 24.

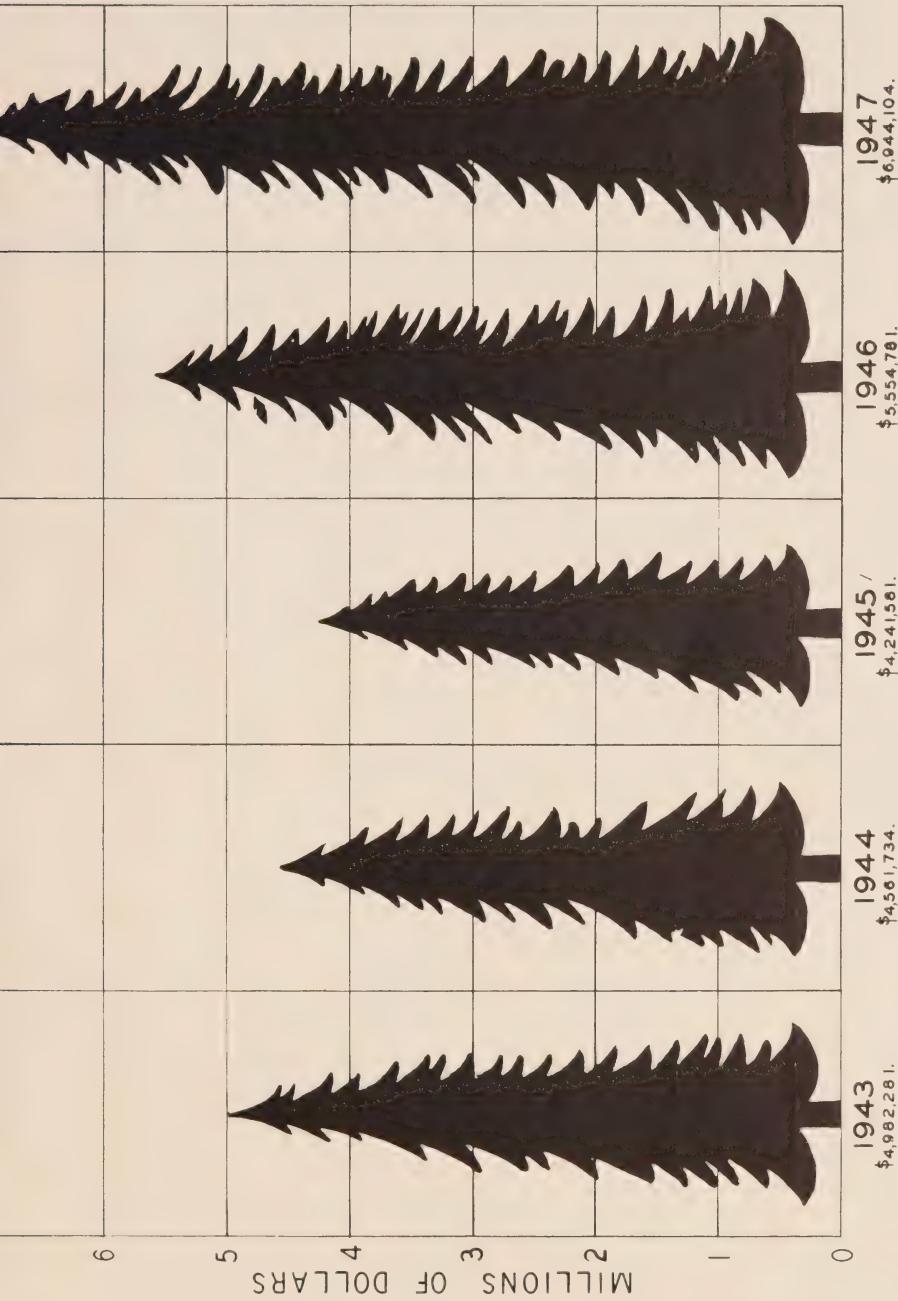
# TREND OF DEPARTMENTAL REVENUE

WATER POWER RENTALS  
CROWN LAND SALES AND RENTALS  
PROVINCIAL LAND TAX

THOUSANDS  
OF DOLLARS

FOR THE FIVE YEARS  
ENDING 31 MARCH 1947





TREND OF DEPARTMENTAL REVENUE  
TIMBER RETURNS-CROWN DUES-GROUND RENT & FIRE TAX CHARGES  
FOR THE FIVE YEARS ENDING 31 MARCH 1947

DEPARTMENT OF LANDS AND FORESTS  
 DIVISION OF TIMBER MANAGEMENT  
 ANALYSIS OF CASH RECEIPTS BY DISTRICTS

For Year ending March 31, 1947

Schedule C

| District           | Crown<br>Dues | Ground<br>Rent | Fire<br>Tax | Scalers<br>Wages | Interest<br>Licenses | Mill<br>Licenses | Cullers<br>Exam.<br>fees<br>and<br>Sundry | Total Re-<br>venue<br>and<br>Cash Dep. | Cash<br>Deposits | Total Re-<br>venue<br>and<br>Cash Dep. |
|--------------------|---------------|----------------|-------------|------------------|----------------------|------------------|---|--|------------------|--|
| Chapleau.....      | 20,842.00     | \$320.00       | \$480.00    | \$14.00          | \$                   | \$               | \$  | \$21,666.00                            | \$               | \$21,666.00                            |
| Cochrane.....      | 881,252.00    | 14,243.00      | 61,205.00   | 2,194.00         | 772.00               | 67.00            | .....                                     | 939,733.00                             | 34,308.00        | 994,041.00                             |
| For. Frances.....  | 190,843.00    | 2,650.00       | 3,501.00    | 101.00           | 15.00                | 15.00            | .....                                     | 197,125.00                             | 675.00           | 197,800.00                             |
| Geraldton.....     | 523,720.00    | 26,325.00      | 44,154.00   | 222.00           | 90.00                | 21.00            | .....                                     | 594,532.00                             | .....            | 594,532.00                             |
| Gogama.....        | 44,203.00     | 195.00         | 256.00      | 1,544.00         | 1,554.00             | 8.00             | .....                                     | 46,208.00                              | .....            | 46,208.00                              |
| Kapuskasing.....   | 931,725.00    | 5,805.00       | 51,232.00   | 1,544.00         | 1,577.00             | 8.00             | .....                                     | 990,471.00                             | 1,677.00         | 988,864.00                             |
| Kenora.....        | 238,491.00    | 3,380.00       | 37,562.00   | 417.00           | .....                | 26.00            | .....                                     | 279,876.00                             | 200.00           | 280,076.00                             |
| Lindsay.....       | 1,115.00      | .....          | .....       | .....            | .....                | .....            | .....                                     | 1,115.00                               | .....            | 1,115.00                               |
| North Bay.....     | 587,588.00    | 12,140.00      | 31,994.00   | 1,458.00         | 735.00               | 111.00           | .....                                     | 634,046.00                             | 35,690.00        | 669,736.00                             |
| Parry Sound.....   | 119,642.00    | 6,259.00       | 8,065.00    | 192.00           | 144.00               | 58.00            | 3.00                                      | 134,363.00                             | 3,075.00         | 139,438.00                             |
| Pembroke.....      | 116,238.00    | 14,413.00      | 28,686.00   | 55.00            | 19.00                | 95.00            | .....                                     | 159,506.00                             | 45,600.00        | 205,106.00                             |
| Port Arthur.....   | 1,559,240.00  | 13,111.00      | 82,592.00   | 417.00           | 2,025.00             | 72.00            | .....                                     | 1,657,457.00                           | 4,000.00         | 1,661,457.00                           |
| Sault Ste. Marie*  | 459,728.00    | 7,885.00       | 62,604.00   | 8.00             | 33.00                | 33.00            | .....                                     | 530,535.00                             | 17,786.00        | 548,381.00                             |
| Sioux Lookout..... | 113,466.00    | 4,070.00       | 12,883.00   | .....            | 153.00               | 15.00            | .....                                     | 130,587.00                             | 14,050.00        | 144,637.00                             |
| Sudbury.....       | 280,316.00    | 8,691.00       | 28,947.00   | 2,244.00         | 24.00                | 61.00            | .....                                     | 320,283.00                             | 2,800.00         | 323,083.00                             |
| Tweed.....         | 107,035.00    | 5,564.00       | 7,003.00    | 176.00           | 443.00               | 114.00           | .....                                     | 120,335.00                             | 6,207.00         | 126,542.00                             |
| Unallocated.....   | .....         | .....          | .....       | .....            | .....                | .....            | .....                                     | 1,422.00                               | .....            | 1,422.00                               |
|                    | 6,175,444.00  | 125,061.00     | 461,164.00  | 9,042.00         | 6,184.00             | 1,000.00         | 1,425.00                                  | 6,779,320.00                           | 164,784.00       | 6,944,104.00                           |

\* Kirkwood Forest included.

## Schedule D

DEPARTMENT OF LANDS AND FORESTS  
 FOREST RESEARCH DIVISION—PROJECTS  
 STATEMENT OF EXPENDITURE  
 (Including General Office)  
 FOR YEAR ENDING MARCH 31, 1947

| PROJECT  | TOTAL COST    |
|--|---------------|
| Bud Worm Spraying.....                         | \$ 111,750.62 |
| Experiment Station.....                        | 38,078.98     |
| Pump and Hose Test.....                        | 11,091.10     |
| Sulphur Fumes Investigation.....               | 19,940.33     |
| Soil Surveys.....                              | 24,419.78     |
| Goulais River Road Improvement.....            | 1,480.58      |
| Biology.....                                   | 14,700.43     |
| Wild Life.....                                 | 7,809.75      |
| Seed Production Experiment.....                | 3,134.65      |
| Fisheries (Culvert).....                       | 89.18         |
| Nature Study.....                              | 2,169.78      |
| Radio Experiments.....                         | 4,224.62      |
| Stumpage.....                                  | 1,243.11      |
| Regeneration Surveys.....                      | 22,036.91     |
| <br>Total Direct Expenditures on Projects..... | 262,169.82    |
| Main Office Administration.....                | 26,706.62     |
| <br>Total Expenditure on Forest Research.....  | \$ 288,876.44 |

## DISTRIBUTION OF EXPENDITURE

|  |               |
|--|---------------|
| Forest Research—Field Service.....                 | \$ 221,174.28 |
| Forest Research—Main Office.....                   | 25,030.29     |
| Basic Organization—Equipment and Improvements..... | 42,671.87     |
| <br>\$ 288,876.44                                  |               |

## Schedule E

DEPARTMENT OF LANDS AND FORESTS  
BASIC ORGANIZATION  
ANALYSIS OF EXPENDITURES BY DIVISIONS RESPONSIBLE,  
SHOWING COST BY SERVICES  
FOR YEAR ENDING MARCH 31, 1947

| DIVISION  | SERVICE   | AMOUNT  |
|---|---|---|
| Forest Protection   | Fire Ranging . . . . .<br>Forest Ranger School . . . . .<br>Forest Insect Laboratory . . . . .<br>Parry Sound Area seen mapping . . . . .   | \$1,368,718.41<br>323,429.27<br>6,567.00<br>1,484.41                                  |
|   |   | <u>\$1,700,199.09</u>   |
| Reforestation   | Land Purchases . . . . .<br>Equipment . . . . .   | 58,760.56<br>58,928.70  |
|   |   | <u>117,689.26</u>   |
| Land and Recreational Areas   | Administration and Inspections . . . . .<br>Parks—<br>Algonquin . . . . .<br>Quetcico . . . . .<br>Sibley . . . . .<br>Lake Superior . . . . .<br>Rondeau . . . . .<br>Ipperwash Beach . . . . .  | 134,590.83<br>90,561.25<br>21,921.93<br>3,022.59<br>4,042.14<br>20,015.83<br>3,589.45 |
|   |   | <u>277,744.02</u>   |
| Timber Management   | Administration and Inspections . . . . .<br>Management Surveys—<br>Kirkwood Forest . . . . .<br>Petawawa . . . . .<br>Goulais River . . . . .<br>Aerial Surveys . . . . .<br>Forest Resources Inventory . . . . .<br>Long Lac Diversion . . . . . | 136,529.67<br>17,278.56<br>11,294.87<br>2,132.20<br>39,128.90<br>336,775.67<br>898.66 |
|   |   | <u>544,038.53</u>   |
| Operation and Personnel   | Storage Warehouse . . . . .<br>Fire Prevention—Information and Education . . . . .  | 13,663.64<br>194,349.34   |
|   |   | <u>208,012.98</u>   |
| Forest Research   | Equipment . . . . .<br>Improvements . . . . .   | 26,894.35<br>15,777.52  |
|   |   | <u>42,671.87</u>  |
| TOTAL—By Services—Exclusive of General Administration and Supervision . . . . . |   | 2,890,355.75  |
| General Field Office Administration and Supervision . . . . .                   |   | <u>417,834.77</u>   |
| TOTAL . . . . .   |   | <u>\$3,308,190.52</u>   |

## Schedule F

## DEPARTMENT OF LANDS AND FORESTS

NET COST OF DIVISION OF AIR SERVICE CHARGEABLE TO  
FOREST PROTECTION DISTRICTS  
FOR YEAR ENDING MARCH 31, 1947

## DIVISION OF AIR SERVICE

|  |               |
|--|---------------|
| Disbursements per Schedule A.....        | \$ 607,068.03 |
| Receipts per Schedule A.....             | 15,258.36     |
| Net Cost of Division of Air Service..... | \$ 591,809.67 |

The above costs have been charged to the following District Offices  
as additional costs of Forest Protection—

|                                     |                      |
|-------------------------------------|----------------------|
| Algonquin.....                      | 24,029.72            |
| Chapleau.....                       | 27,281.86            |
| Cochrane.....                       | 22,488.77            |
| Fort Frances.....                   | 39,100.39            |
| Gogama .....                        | 15,478.86            |
| Geraldton.....                      | 54,053.82            |
| Kapuskasing.....                    | 16,920.25            |
| Kenora .....                        | 17,695.67            |
| North Bay.....                      | 35,034.01            |
| Port Arthur.....                    | 95,424.02            |
| Sault Ste. Marie.....               | 65,290.44            |
| Sioux Lookout.....                  | 140,184.75           |
| Sudbury.....                        | 29,490.91            |
| Toronto (Headquarters Flights)..... | 2,334.05             |
| Dusting.....                        | 933.62               |
| Sulphur Fumes.....                  | 6,068.53             |
| <b>TOTAL.....</b>                   | <b>\$ 591,809.67</b> |

## Schedule G.

DEPARTMENT OF  
FISH AND WILD  
STATEMENT OF RECEIPTS  
ENDING  
(BASED ON THE ESTIMATES  
OF GAME  
RECEIPTS

| GAME  |                |
|---|----------------|
| Licences  |                |
| Trapping  | \$ 62,498.15   |
| Non-resident Hunting  | 361,887.20     |
| Deer  | 196,548.80     |
| Moose   | 9,316.45       |
| Gun   | 132,906.53     |
| Dog   | 11,420.75      |
| Fur Dealers   | 34,322.00      |
| Fur Farmers   | 8,415.00       |
| Tanners   | 130.00         |
| Cold Storage  | 295.00         |
|   | 817,739.88     |
| Royalty on Furs   | 211,640.75     |
|   | <u>-----</u>   |
|   | \$1,029,380.63 |
| FISHERIES   |                |
| Licences  |                |
| Fishing (Commercial)  | 97,356.00      |
| Angling   | 1,000,866.37   |
|   | 1,098,222.37   |
| Royalty on Commercial Fish  | 12,116.85      |
|   | <u>-----</u>   |
|   | 1,110,339.22   |
| GENERAL   |                |
| Licences  |                |
| Tourist Camps   | 7,290.00       |
| Guides  | 12,734.00      |
|   | <u>-----</u>   |
|   | 20,024.00      |
| Fines (Enforcement of Act)  | 44,266.85      |
| Costs Collected (Enforcement of Act)  | 1,216.45       |
| Sales—Confiscated Articles  | 37,201.91      |
| Rent from Employees and others  | 2,718.00       |
| Commission retained by Province on sale of licences by Employees of the Crown | 1,372.86       |
| Miscellaneous   | 1,680.73       |
|   | <u>-----</u>   |
|   | 108,480.80     |

\$2,248,200.65

## LANDS AND FORESTS

Schedule G.

## LIFE DIVISION

AND DISBURSEMENTS FOR YEAR  
MARCH 31, 1947ALLOTTED TO THE FORMER DEPARTMENT  
AND FISHERIES)

## DISBURSEMENTS

## ORDINARY

|  |    |           |    |                |
|--|----|-----------|----|----------------|
| Main Office  |    |           |    |                |
| Salaries—Permanent.....  | \$ | 60,819.35 |    |                |
| —Temporary.....  |    | 14,774.02 |    |                |
| Travelling Expenses.....   |    | 75,593.37 |    |                |
| Maintenance.....   |    | 4,163.94  |    |                |
|  |    | 15,729.80 |    |                |
|  |    |           | \$ | 95,487.11      |
| General  |    |           |    |                |
| Moving Expenses of Officers of the Department.....                           |    | 982.74    |    |                |
| Unforeseen and Unprovided.....   |    | 5.00      |    |                |
| Purchase of and Repairs to Boats, Boathouses, Machinery and<br>Vehicles..... |    | 2,737.38  |    |                |
| Compensation for Injured Workmen.....  |    | 755.45    |    |                |
| Cost of Living Bonus.....  |    | 301.77    |    |                |
| Unemployment Insurance Stamps.....   |    | 289.93    |    |                |
| Exhibits, Advertising and Educational.....                                   |    | 4,220.81  |    |                |
|  |    |           |    | 9,293.08       |
| Districts—(Enforcement of the Ontario Game and Fisheries Act)                |    |           |    |                |
| Salaries and Expenses.....   |    |           |    | 516,263.72     |
| Game Animals and Birds   |    |           |    |                |
| Purchase of Birds and Sundry Expenses.....                                   |    |           |    | 35,471.25      |
| Macdiarmid   |    |           |    |                |
| Salaries.....  |    | 3,062.06  |    |                |
| Expenses.....  |    | 1,213.74  |    |                |
|  |    |           |    | 4,275.80       |
| Biological and Fish Culture Branch   |    |           |    |                |
| General Office   |    |           |    |                |
| Salaries—Permanent.....  | \$ | 14,702.87 |    |                |
| —Temporary.....  |    | 6,961.27  |    |                |
|  |    | 21,664.14 |    |                |
| Travelling Expenses.....   |    | 4,318.65  |    |                |
| Maintenance.....   |    | 5,400.63  |    |                |
|  |    |           |    | 31,383.42      |
| Hatcheries   |    |           |    |                |
| Salaries and Expenses.....   |    |           |    | 314,560.86     |
|  |    |           |    | 345,944.28     |
| Grants:  |    |           |    |                |
| Jack Miner.....  |    | 1,500.00  |    |                |
| Thomas N. Jones.....   |    | 300.00    |    |                |
| E. L. Marsh.....   |    | 100.00    |    |                |
| Ontario Fur Breeders' Association Inc.....                                   |    | 2,500.00  |    |                |
| Ontario Federation of Commercial Fishermen.....                              |    | 1,500.00  |    |                |
|  |    |           |    | 5,900.00       |
| Wolf Bounty and Sundry Expenses.....   |    |           |    | 59,275.18      |
| Bear Bounty and Sundry Expenses.....   |    |           |    | 9,797.42       |
| Total Ordinary.....  |    |           |    | 1,081,707.84   |
| CAPITAL  |    |           |    |                |
| Erecting Buildings, Purchase of Land Buildings and Equipment.....            |    |           |    | 116,266.61     |
| Total Disbursements.....   |    |           |    | 1,197,974.45   |
| Excess of Receipts over Disbursements  |    |           |    |                |
| Paid into the Consolidated Revenue Fund of the Province.....                 |    |           |    | 1,050,226.20   |
|  |    |           |    | \$2,248,200.65 |



NORSEMAN AIRCRAFT OBN, OF THE DIVISION OF AIR SERVICE, TAXIING IN TO DOCK AT LILLABELLE LAKE.

## DIVISION OF AIR SERVICE

As the fire hazard in the summer of 1946 was moderate, the Air Service was not overtaxed in its forest fire detection and suppression duties.

The Department operated from five winter stations; Smoke Lake (Algonquin Park), Eva Lake (Quetico Park), Geraldton, Gogama and Sioux Lookout. The flying was largely in connection with general forestry administration, fish and wildlife, poaching, and emergency sickness and accident cases.

*Equipment*

Four new Norseman aircraft were purchased.

The Department submitted specifications to the De Havilland Aircraft Company of Canada for the building of a semi-transport type of plane. Company engineers examined the specifications, and reports have been encouraging.

*Maintenance and Improvements*

Construction of an addition to the main hangar at Sault Ste. Marie has been undertaken by the Department of Public Works to provide storage for approximately fifty aircraft.

*Co-operation with the Royal Commission on Forestry, and other Government Departments.*

Assistance was accorded Dominion Government entomologists in their forest insect infestation surveys. The agreement effected the previous year with the Department of Health was extended to include the Provincial Police. Co-operation was continued with other Departments of the Ontario Government in supplying their flying needs, as required.

In addition the Air Service supplied 272 hours of flying to the Royal Commission on Forestry, which greatly expedited its work.

*Accidents*

It is a great pleasure to report that there were no serious accidents to any of the Air Service personnel during the year.

*Statistics*

The following tables give details of operation:

**Tables**

Table No. 1—Allocation of aircraft.

Table No. 2—Transport aircraft—hours flown and effective loads carried.

Table No. 3—Hours flown on various phases of flying operations.

Table No. 4—Totals.

Table No. 5—Hours flown at bases.

Table No. 6—Flying time—Pilots—for the fiscal year ending March 31, 1947.

Table No. 7—Flying time—Aircraft—for the fiscal year ending March 31, 1947.

TABLE No. 1

## ALLOCATION OF AIRCRAFT

1946-47

| <i>Base</i>                | <i>Registration</i>                | <i>Type</i>                 |
|----------------------------|------------------------------------|-----------------------------|
| Algonquin Park . . . . .   | CF-BGM<br>CF-BIM                   | Stinson<br>Stinson          |
| Biscotasing . . . . .      | CF-OBF<br>G-CAOU                   | Norseman<br>Moth            |
| Caribou Lake . . . . .     | CF-OBI                             | Norseman                    |
| Fort Frances . . . . .     | CF-OBM                             | Norseman                    |
| Ignace . . . . .           | CF-OAV                             | Stinson                     |
| Kenora . . . . .           | CF-OBD                             | Norseman                    |
| Oba Lake . . . . .         | CF-OBH<br>G-CAOZ                   | Norseman<br>Moth            |
| Orient Bay . . . . .       | CF-OBG<br>CF-OBL                   | Norseman<br>Norseman        |
| Pays Plat . . . . .        | CF-OAW                             | Stinson                     |
| Port Arthur . . . . .      | CF-OBE                             | Norseman                    |
| Pickle Lake . . . . .      | CF-OAP                             | Fairchild 71                |
| Red Lake . . . . .         | CF-BGN                             | Stinson                     |
| Remi Lake . . . . .        | CF-BGJ                             | Stinson                     |
| Sault Ste. Marie . . . . . | CF-OBA<br>CF-OBO<br>G-CAOW (Spare) | Stinson<br>Norseman<br>Moth |
| Sioux Lookout . . . . .    | CF-OBC<br>CF-OBG                   | Norseman<br>Stinson         |
| Sudbury . . . . .          | CF-BDQ<br>CF-OAS                   | Waco<br>Buhl                |
| South Porcupine . . . . .  | CF-OAY                             | Stinson                     |
| Timagami . . . . .         | CF-OBJ                             | Norseman                    |
| Twin Lakes . . . . .       | CF-OBN<br>G-CAPB<br>G-CAPA         | Norseman<br>Moth<br>Moth    |
| Toronto . . . . .          | CF-OBK                             | Canso                       |

TABLE No. 2  
TRANSPORT AIRCRAFT—EFFECTIVE LOADS CARRIED  
1946-47

| AIRCRAFT     | HOURS<br>FLOWN | EFFECTIVE LOAD |                                  |
|--------------|----------------|----------------|----------------------------------|
| Buhl         | CF-OAS         | 219.30         | 72,460 lbs.—36 Tons, 460 lbs.    |
| Fairchild 71 | CF-OAP         | 193.35         | 102,870 lbs.—51 Tons, 870 lbs.   |
| Norseman     | CF-OBC         | 247.00         | 177,410 lbs.—88 tons, 1410 lbs.  |
|              | CF-OBD         | 297.35         | 192,250 lbs.—96 tons, 250 lbs.   |
|              | CF-OBE         | 375.55         | 313,320 lbs.—156 tons, 1320 lbs. |
|              | CF-OBF         | 391.55         | 329,173 lbs.—164 tons, 1173 lbs. |
|              | CF-OBG         | 484.20         | 307,360 lbs.—153 tons, 1360 lbs. |
|              | CF-OBH         | 384.00         | 167,356 lbs.—83 tons, 1356 lbs.  |
|              | CF-OBI         | 299.10         | 167,465 lbs.—83 tons, 1465 lbs.  |
|              | CF-OBJ         | 308.45         | 229,877 lbs.—114 tons, 1877 lbs. |
|              | CF-OBL         | 276.20         | 228,310 lbs.—114 tons, 310 lbs.  |
|              | CF-OBM         | 252.05         | 273,200 lbs.—136 tons, 1200 lbs. |
|              | CF-OBN         | 103.20         | 52,675 lbs.—26 tons, 675 lbs.    |
|              | CF-OBO         | 117.30         | 45,830 lbs.—22 tons, 1830 lbs.   |
| Stinson      | CF-OBA         | 298.25         | 131,640 lbs.—65 tons, 1640 lbs.  |
|              | CF-OBB         | 276.00         | 105,912 lbs.—52 tons, 1912 lbs.  |
|              | CF-BGJ         | 374.05         | 159,013 lbs.—79 tons, 1013 lbs.  |
|              | CF-BGM         | 343.35         | 204,203 lbs.—102 tons, 203 lbs.  |
|              | CF-BIM         | 451.35         | 197,186 lbs.—98 tons, 1186 lbs.  |
|              | CF-BGN         | 282.40         | 140,285 lbs.—70 tons, 285 lbs.   |
|              | CF-OAV         | 247.45         | 124,615 lbs.—62 tons, 615 lbs.   |
|              | CF-OAW         | 347.45         | 169,649 lbs.—84 tons, 1649 lbs.  |
|              | CF-OAY         | 364.50         | 81,585 lbs.—40 tons, 1585 lbs.   |
| Waco         | CF-BDQ         | 228.50         | 106,980 lbs.—53 tons, 980 lbs.   |
| Canso        | CF-OBK         | 422.25         | 998,100 lbs.—499 tons, 100 lbs.  |

## TOTAL TRANSPORT SECTION:—

|                   |        |                      |
|-------------------|--------|----------------------|
| Total Flying Time | Hours  | 7,588.55             |
| Total Loading     | Pounds | 5,078,724            |
| Total Loading     | Tons   | 2,539 tons, 724 lbs. |

TABLE No. 3  
HOURS FLOWN ON VARIOUS PHASES OF FLYING OPERATIONS

|   | 1924-46    | 1946-47  | Total      |
|---|------------|----------|------------|
| Fire Detection.....                         | 42,483.40  | 1,082.40 | 43,566.20  |
| Game Conservation.....                      | 417.00     | 446.20   | 863.20     |
| Fire Suppression.....                       | 34,815.16  | 1,230.00 | 36,045.16  |
| Photography.....                            | 1,404.15   | 9.05     | 1,413.20   |
| Sketching.....                              | 3,863.53   | 223.40   | 4,087.33   |
| Transportation—Ordinary.....                | 37,383.10  | 3,473.50 | 40,857.00  |
| Transportation—Special.....                 | 7,105.37   | 938.10   | 8,043.47   |
| Mercy Flights.....                          | 275.17     | 39.15    | 314.32     |
| Ferrying.....                               | 6,327.37   | 210.30   | 6,538.07   |
| Forced Landings.....                        | 916.24     | 27.25    | 943.49     |
| Flying Instruction.....                     | 2,962.47   | 14.15    | 2,977.02   |
| Observers Instruction.....                  | 94.09      |          | 94.09      |
| Operations.....                             | 5,464.53   | 230.00   | 5,694.53   |
| Tests Aircraft.....                         | 1,524.57   | 49.50    | 1,574.47   |
| Dusting Operations—Ont. Govt.....           | 41.35      | 284.30   | 326.05     |
| Dusting Operations—B.C. Govt.....           |            | 86.20    | 86.20      |
| Tests—Radio.....                            | 83.40      | 2.00     | 85.40      |
| Department of Entomology.....               | 99.45      | 202.15   | 302.00     |
| Department of Research (Sulphur Fumes)..... | 99.30      | 151.05   | 250.35     |
|   | 145,363.25 | 8,701.10 | 154,064.35 |

TABLE No. 4

## TOTALS

|   | 1924-46            | 1946-47           | Total                |
|---|--------------------|-------------------|----------------------|
| Passengers Carried.....                     | 103,170            | 18,079            | 121,249              |
| Personnel Carried.....                      | 75,954             | 4,101             | 80,055               |
| Total Passengers and Personnel Carried..... | 179,124            | 22,180            | 201,304              |
| Effective Loads Flown, Lbs.....             | 37,646,194         | 5,230,897         | 42,877,091           |
| Effective Loads Flown, Tons.....            | 18,823T<br>194lbs. | 2,615T<br>897lbs. | 21,438T<br>1,091lbs. |

TABLE NO. 5  
HOURS FLOWN AT BASES  
1946-47

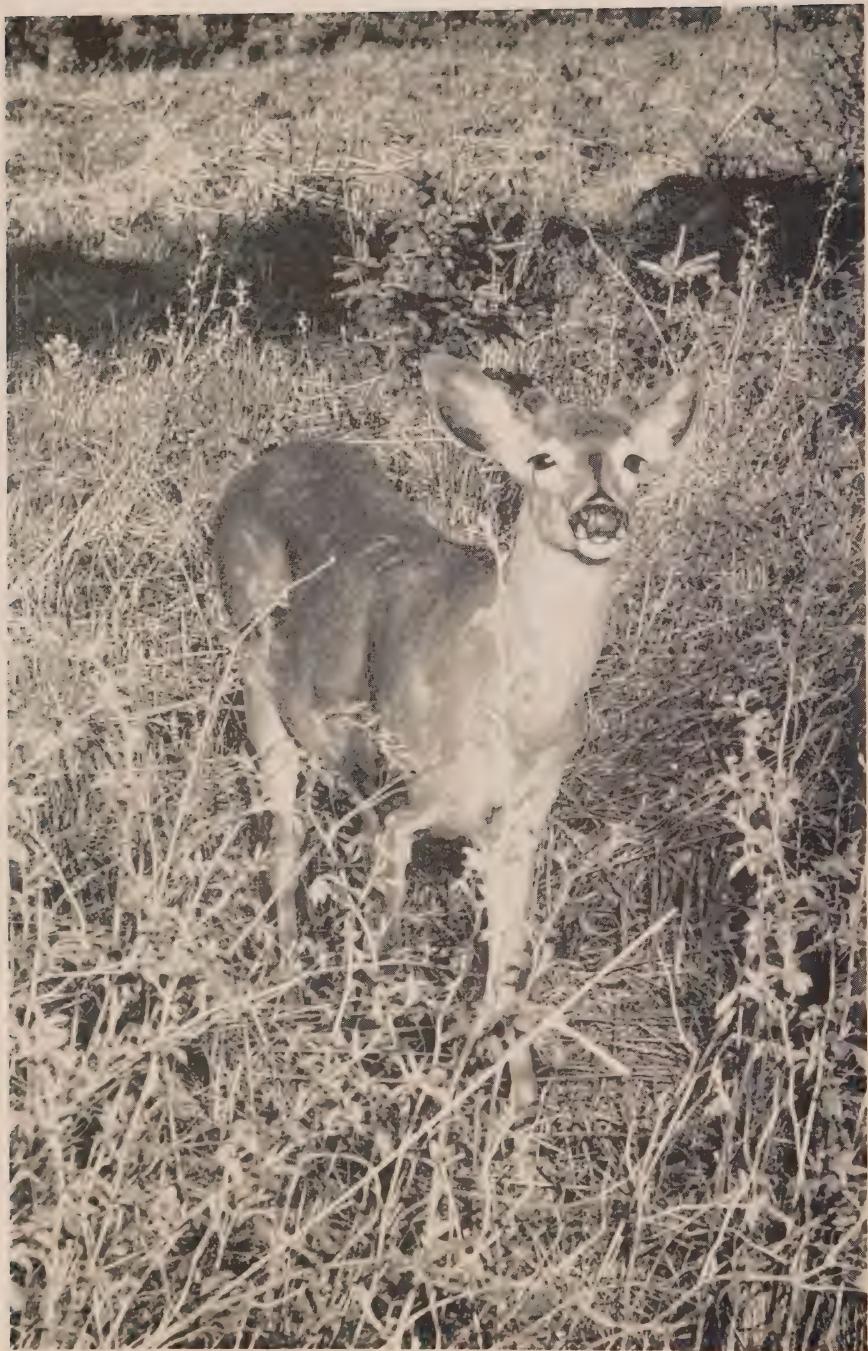
| Base                                  | Hours Flown |
|---------------------------------------|-------------|
| Algonquin Park . . . . .              | 620.45      |
| Biscotasing . . . . .                 | 606.00      |
| Caribou Lake . . . . .                | 296.00      |
| Fort Frances . . . . .                | 579.25      |
| Ignace . . . . .                      | 248.15      |
| Kenora . . . . .                      | 305.35      |
| Oba Lake . . . . .                    | 565.10      |
| Orient Bay . . . . .                  | 544.40      |
| Pays Plat . . . . .                   | 361.20      |
| Pickle Lake . . . . .                 | 188.10      |
| Port Arthur . . . . .                 | 374.35      |
| Red Lake . . . . .                    | 282.50      |
| Remi Lake . . . . .                   | 373.50      |
| Sault Ste. Marie . . . . .            | 490.40      |
| South Porcupine . . . . .             | 356.25      |
| Sioux Lookout . . . . .               | 675.25      |
| Sudbury . . . . .                     | 343.55      |
| Timagami . . . . .                    | 371.55      |
| Twin Lakes . . . . .                  | 571.25      |
| Toronto . . . . .                     | 22.55       |
| Dusting Operations—B.C. Govt. . . . . | 8179.15     |
| Dusting Operations—Ont. Govt. . . . . | 86.20       |
| Sulphur Fumes Sampling . . . . .      | 284.30      |
|                                       | 151.05      |
| Total . . . . .                       | 8701.10     |

TABLE No. 6  
FLYING TIME—PILOTS

| Pilots             | 1924-46    | 1946-47  | Totals     |
|--------------------|------------|----------|------------|
| Bliss, W. H. F.    | .....      | 91.20    | 91.20      |
| Burtt, A. E.       | 1,373.50   | 416.50   | 1,790.40   |
| Buckworth, W. B.   | 2,550.50   | 382.50   | 2,933.40   |
| Burton, E. C.      | 1,144.35   | 307.45   | 1,452.20   |
| Blockley, H. T.    | .....      | 240.40   | 240.40     |
| Charity, G. E.     | 744.40     | 266.30   | 1,011.10   |
| Crossley, C. C.    | 5,711.28   | 373.25   | 6,084.53   |
| Cooke, T. C.       | .....      | 215.05   | 215.05     |
| Culliton, J. P.    | 2,076.35   | 410.15   | 2,486.50   |
| Denley, J. G.      | 581.00     | 268.40   | 849.40     |
| Donnelly, J. T.    | 674.10     | 359.30   | 1,033.40   |
| Fiskar, U. W.      | 2,113.15   | 161.50   | 2,275.05   |
| Gillard, M. V.     | 4,407.55   | 321.35   | 4,729.30   |
| Johnson, A. S.     | .....      | 100.20   | 100.20     |
| Kincaid, J.        | 721.35     | 221.30   | 943.05     |
| Kingdon, O. F.     | 185.50     | 202.15   | 388.05     |
| LeFeuvre, C. J.    | 2,393.05   | 383.55   | 2,777.00   |
| MacDougall, F. A.  | 3,068.05   | 199.00   | 3,267.05   |
| Ponsford, G. E.    | 421.50     | 18.30    | 440.20     |
| Pipe, J. T.        | 868.05     | 290.35   | 1,158.40   |
| Parsons, R.        | 1,525.15   | 433.25   | 1,958.40   |
| Phillips, G. H. R. | 6,454.50   | 406.05   | 6,860.55   |
| Poulin, L. D.      | 1,384.15   | 461.35   | 1,845.50   |
| Reid, D. M.        | 110.20     | 163.35   | 273.55     |
| Reilly, J.         | .....      | 220.10   | 220.10     |
| Smith, A. B.       | 1,172.00   | 249.25   | 1,421.25   |
| Siegel, J.         | 299.30     | 210.50   | 510.20     |
| Speight, H. C.     | 623.35     | 247.45   | 871.20     |
| Trussler, G. E.    | 3,284.40   | 241.40   | 3,526.20   |
| Taylor, J. M.      | 1,919.20   | 171.25   | 2,090.45   |
| Westaway, H. W.    | 3,773.10   | 377.40   | 4,150.50   |
| Woodside, T.       | 3,830.37   | 285.15   | 4,115.52   |
| Delahaye, G.       | 3,801.00   | .....    | 3,801.00   |
| Noorduyn Pilots    | 9.15       | .....    | 9.15       |
| All other Pilots   | 88,138.50  | .....    | 88,138.50  |
| Total              | 145,363.25 | 8,701.10 | 154,064.35 |

TABLE NO. 7  
FLYING TIME—AIRCRAFT

| Aircraft                | 1924-46    | 1946-47  | Total      |
|-------------------------|------------|----------|------------|
| BUHL                    |            |          |            |
| CF-OAS.....             | 2,624.50   | 219.30   | 2,844.20   |
| FAIRCHILD 71            |            |          |            |
| CF-OAP.....             | 2,673.10   | 193.35   | 2,866.45   |
| MOTH                    |            |          |            |
| CF-OAA.....             | 5,014.15   | 88.25    | 5,102.40   |
| G-CAPA.....             | 5,034.40   | 161.50   | 5,196.30   |
| G-CAPB.....             | 5,509.25   | 220.55   | 5,730.20   |
| G-CAOU.....             | 5,078.10   | 159.15   | 5,237.25   |
| G-CAOW.....             | 5,096.07   | 215.35   | 5,311.42   |
| G-CAOZ.....             | 6,282.40   | 266.15   | 6,548.55   |
| NORSEMAN                |            |          |            |
| CF-OBC.....             | 280.35     | 247.00   | 527.35     |
| CF-OBD.....             | 285.40     | 297.35   | 583.15     |
| CF-OBE.....             | 517.40     | 375.55   | 893.35     |
| CF-OBF.....             | 465.40     | 391.55   | 857.35     |
| CF-OBG.....             | 214.00     | 484.20   | 698.20     |
| CF-OBH.....             | 172.40     | 384.00   | 556.40     |
| CF-OBI.....             | 135.00     | 299.10   | 434.10     |
| CF-OBJ.....             | 94.20      | 308.45   | 403.05     |
| CF-OBL.....             | .....      | 276.20   | 276.20     |
| CF-OBM.....             | .....      | 252.05   | 252.05     |
| CF-OBN.....             | .....      | 103.20   | 103.20     |
| CF-OBO.....             | .....      | 117.30   | 117.30     |
| STINSON                 |            |          |            |
| CF-OBA.....             | 1,213.40   | 298.25   | 1,512.05   |
| CF-OBB.....             | 683.30     | 276.00   | 959.30     |
| CF-BGJ.....             | 1,352.20   | 374.05   | 1,726.25   |
| CF-BGM.....             | 2,156.00   | 343.35   | 2,499.35   |
| CF-BIM.....             | 366.10     | 451.35   | 817.45     |
| CF-BGN.....             | 2,055.10   | 282.40   | 2,337.50   |
| CF-OAV.....             | 1,699.25   | 247.45   | 1,947.10   |
| CF-OAW.....             | 2,348.15   | 347.45   | 2,696.00   |
| CF-OAY.....             | 2,051.45   | 364.50   | 2,416.35   |
| WACO                    |            |          |            |
| CF-BDQ.....             | 813.20     | 228.50   | 1,042.00   |
| CANSO                   |            |          |            |
| CF-OBK.....             | 6.05       | 422.25   | 428.30     |
| All Other Aircraft..... | 91,139.03  | .....    | 91,139.03  |
| Total.....              | 145,363.25 | 8,701.10 | 154,064.35 |



A FRIENDLY WHITE-TAILED DEER.

## DIVISION OF FISH AND WILDLIFE

This is the first report published since the incorporation of the Department of Game and Fisheries into the Department of Lands and Forests as the Division of Fish and Wildlife.

The amalgamation of the two Departments was conceived as a move to bring all the renewable natural resources of the Province under one administration, and the process of transfer was begun in May, 1946. By July, 1946, the move was complete, and Dr. W. J. K. Harkness was selected as chief of the newly formed Division.

Dr. Harkness organized the Division into four separate sections, as follows:

1. *Enforcement:* Under the supervision of Mr. J. F. Farrington. The Enforcement Section is responsible for the proper enforcement of the Game and Fisheries Act and Regulations, has custody of all seized materials, and the sale thereof.

2. *Wildlife:* Dr. C. H. D. Clarke, Supervisor of this Section, has under his control the administration of the game resources of the Province, the payment of wolf and bear bounties, and the administration of the fur resources, both wild and ranch raised.

3. *Game Fish:* Mr. H. H. MacKay is responsible for the proper administration and maintenance of the angling fishery, production of fish by provincial hatcheries, and such scientific surveys and projects as are necessary to ensure proper placing of hatchery raised fish.

4. *Commercial Fish:* Mr. W. H. R. Werner is responsible for the administration of the commercial fishing resources of the Province, including issue of licences and collection of statistical data concerning catches.

The amalgamation of the two Departments was extended into the field, all game and fisheries overseers and inspectors being taken into the forest district organization. In each District a Fish and Wildlife Specialist was appointed, to whom all Overseers in the District are responsible. This specialist, in most cases a senior Overseer, is himself responsible to the District Forester.

## LIST OF SPECIALISTS BY DISTRICTS—

| <i>District</i>       | <i>Fish and Wildlife Specialist</i> |
|-----------------------|-------------------------------------|
| Fort Frances.....     | H. E. Pearson                       |
| Kenora.....           | H. Harris                           |
| Sioux Lookout.....    | C. L. Perrie                        |
| Geraldton.....        | J. Noble                            |
| Port Arthur.....      | R. D. Windsor                       |
| Cochrane.....         | L. A. Dent                          |
| Kapusasing.....       | O. D. Lewis                         |
| Chapleau.....         | V. Crichton                         |
| Gogama.....           | C. R. Weaver                        |
| North Bay.....        | G. M. Parks                         |
| Sault Ste. Marie..... | C. F. Cook                          |
| Sudbury.....          | C. F. Bibby                         |
| Algonquin.....        | E. L. Skuce                         |
| Parry Sound.....      | N. McNaughton                       |
| Quinte.....           | R. G. Sheppard                      |
| Rideau.....           | R. Baker                            |
| Trent.....            | A. M. Hodgson                       |
| Lake Erie.....        | W. Keller                           |
| Lake Huron.....       | E. R. Meadows                       |
| Lake Simcoe.....      | J. S. Ellis                         |

The staff of the Fish and Wildlife Division works in close cooperation with many professional associations and sporting associations. Representatives attend meetings of the Ontario Federation of Commercial Fishermen, the Ontario Fur Breeders' Association, and many fish and game protective associations throughout the Province.

Grants were given to the two associations mentioned above, and also the Niagara District Pheasant Breeders' Association, Mrs. E. L. Marsh, Mr. E. T. Jones, and the Jack Miner Migratory Birds Foundation.

Many members of the Head Office staff are closely connected with the Ontario Research Commission, and sit on many of the committees of that organization.

In April, a joint meeting of Fish and Wildlife Technical Personnel of Ontario and New York State was held in Toronto under the sponsorship of the former Department of Game and Fisheries.

In December of 1946, a course was organized at the recently opened Forest Ranger School at Dorset, for the instruction of Fish and Wildlife Specialists and Overseers in the identification and ecology of the principal species of fish, birds and mammals of the Province. This course extended for two weeks and the instruction received was of considerable value. In addition, an opportunity was presented for the instructing staff, drawn from the University of Toronto, the Royal Ontario Museum of Zoology and Head Office, to meet and talk to the field staff.

At the annual meeting of the Department of Lands and Forests, January 21st, 1947, Mr. Lloyd W. Swift, Chief of the Division of Wildlife Management, United States Forest Service, addressed the staff of the Department.

Reports are presented under the headings of the four sections as outlined above.

## ENFORCEMENT

On April 1st, 1946, Game and Fisheries Enforcement officers in Ontario numbered 136.

These officers were responsible for enforcement throughout the Province of provisions of the Game and Fisheries Act and Regulations, the Fisheries Act (Canada); the Special Fishery Regulations for the Province of Ontario, and the Migratory Birds Convention Act and Regulations.

Previous to the amalgamation of the Department of Game and Fisheries with the Department of Lands and Forests, these enforcement officers had been subject to direct administration from headquarters at Toronto, though in that portion of the Province lying north and west of the French and Mattawa Rivers and Lake Nipissing, they were under the immediate supervision of district superintendents, viz:—

- (a) at North Bay,—  
in the Districts of Nipissing (north of the Mattawa River and Lake Nipissing), Timiskaming, Cochrane, Sudbury and Algoma; and
- (b) at Fort William,—  
in the Districts of Thunder Bay, Fort Frances and Kenora.

In the territory south of the French and Mattawa Rivers and Lake Nipissing there were 74 officers; in the territory under supervision through the North Bay office there were 35 officers; and in the territory under supervision through the Fort William office there were 17 officers.

As of March 31, 1947, there were 177 officers in the enforcement service of the Fish and Wildlife Division,—92 in Southern Ontario, 52 in the districts formerly supervised through the North Bay office, and 33 in the districts formerly supervised through the Fort William office. In general terms, Southern Ontario comprises the following forestry districts, viz: Algonquin, Lake Erie, Lake Huron, Lake Simcoe, Parry Sound, Quinte, Rideau and Trent. The area formerly supervised through the North Bay office comprises the following forestry Districts, viz: Chapleau, Cochrane, Gogama, Kapuskasing, North Bay, Sault Ste. Marie and Sudbury. The area formerly supervised through the Fort William office comprises the following forestry Districts, viz: Fort Frances, Geraldton, Kenora, Port Arthur and Sioux Lookout.

The Fish and Wildlife enforcement officers assigned to each District are under the immediate jurisdiction of the District Forester in charge. There is attached to the office of each District Forester a Fish and Wildlife Specialist, whose principal responsibility is to advise enforcement officers in the field and to co-operate in the supervision of the services of these enforcement officers.

Border patrols were maintained during the summer months at various ports of entry from the United States into Ontario, including Fort Frances, Pigeon River, Sault Ste. Marie, Sarnia, Windsor, Fort Erie, Niagara Falls, the Thousand Island Bridge at Ivy Lea, Prescott and Cornwall. The principal service of the officers engaged in these patrols was to advise American visitors on their arrival in Ontario of the requirements of the Special Fishery Regulations and to check the exportation of fish by such non-resident anglers on their departure from the Province.

During the open season for deer in the fall, active road patrols were maintained in several Districts and particularly in those areas in which the hunting of deer was intensive, with a view to contacting hunters returning from their hunting expeditions and checking on the animals which had been taken.

Resulting from the operation of these patrols, much valuable information accrued to this Division, and there is every reason to believe that the activities of the officers who undertook these patrols were responsible for a more rigid compliance with the provisions of our legislation and regulations by those participating in the recreation derived from angling and hunting.

In their work of enforcement, officers of the Department in their respective patrol areas, derived an appreciable degree of assistance from the co-operation of those who held appointments as Deputy Game Wardens. These Deputy Game Warden appointments are of an honorary nature and are provided, on application, to sportsmen and conservationists who are interested in the protection of our fish and wildlife resources. During the year under review, such appointments were provided to more than thirteen hundred applicants. A large percentage of these appointments were made on the recommendation of the respective municipal councils of the various townships established as regulated game preserve areas. While these appointments were province-wide in their scope, it is quite probable that those so appointed in regulated townships confined their assistance to services within the township, along the lines of securing compliance by hunters with provisions of the regulations which governed.

A study of the records reveals the seizure of equipment, as well as fish and game taken illegally, in 2,166 cases.

Particulars of the officers responsible for these seizures are as follows, viz:—

|                                     |                 |
|-------------------------------------|-----------------|
| Overseers.....                      | 2,030 cases     |
| Deputy Game Wardens.....            | 46 cases        |
| Provincial police constables.....   | 21 cases        |
| Municipal police constables.....    | 3 cases         |
| <br>Joint Action:                   |                 |
| Overseers and D. G. W.....          | 43              |
| Overseers and O. P. P.....          | 14              |
| Overseers and Municipal Police..... | 9               |
|                                     | —               |
|                                     | 66 cases        |
|                                     | <br>2,166 cases |

The articles seized as a result of these activities included:—

|   |           |
|---|-----------|
| Live animals and birds in.....                | 4 cases   |
| Game animals (and portions) and birds in..... | 202 cases |
| Fire arms in.....                             | 976 cases |
| Fish in.....                                  | 305 cases |
| Nets and fishing gear in.....                 | 150 cases |
| Angling equipment in.....                     | 321 cases |
| Spears in.....                                | 65 cases  |
| Pelts and hides in.....                       | 319 cases |
| Traps and snares in.....                      | 195 cases |
| Water craft in.....                           | 26 cases  |
| Outboard motors in.....                       | 10 cases  |
| Motor vehicles in.....                        | 4 cases   |
| Lights (artificial) in.....                   | 52 cases  |
| Miscellaneous articles in.....                | 73 cases  |

Further details regarding these seizures are set forth in the following tables:—

Game animals (and portions) and birds:—

|  |           |
|--|-----------|
| Deer and venison and moose and moose meat in.. | 137 cases |
| Black and Grey Squirrels.....                  | 4         |
| Pheasants.....                                 | 11        |
| Quail.....                                     | 1         |
| Partridge.....                                 | 30        |
| Ducks.....                                     | 14        |
| Rabbits.....                                   | 53        |

## Fire Arms:—

|  |     |
|--|-----|
| .22 calibre rifles.....                    | 497 |
| .25 calibre rifles.....                    | 4   |
| .25/.20 calibre rifles.....                | 6   |
| .22/410 combination rifle and shotgun..... | 2   |

|   |     |
|---|-----|
| High-power and heavy calibre rifles, including the following calibres:—.250/.3000; .25/.35; .30;.30/.30; .303; .30/.40; .32; .32/.40; .348; .35; .351; .38/.40; .38/.55; .405; .44/.40; .45; .45;.90; .57; 6.5 M.M.; and 8 M.M..... | 157 |
|---|-----|

|   |     |
|---|-----|
| Shot guns, including single barrel, double barrel, repeating and automatic..... | 331 |
| Revolvers.....  | 2   |
| Air-guns.....   | 18  |

## Fish:—

|                            |     |
|----------------------------|-----|
| Commercial operations..... | 21  |
| Illegal netting.....       | 26  |
| Spearing.....              | 26  |
| Angling.....               | 232 |

## Nets and Fishing Gear:—

|                           |           |
|---------------------------|-----------|
| Gill nets seized in.....  | 114 cases |
| Hoop nets seized in.....  | 9 cases   |
| Seine nets seized in..... | 8 cases   |
| Dip nets seized in.....   | 14 cases  |
| Hook lines seized in..... | 10 cases  |

## Pelts and Hides:—

|                           |     |
|---------------------------|-----|
| Beaver.....               | 749 |
| Fisher.....               | 1   |
| Fox.....                  | 68  |
| Lynx.....                 | 3   |
| Marten.....               | 1   |
| Mink.....                 | 45  |
| Muskrat.....              | 472 |
| Otter.....                | 18  |
| Raccoon.....              | 42  |
| Skunk.....                | 1   |
| Squirrel.....             | 3   |
| Weasel.....               | 30  |
| Deer and moose hides..... | 68  |

## Traps and Snares:—

A total of 1,939 traps and snares were seized, a large proportion of which, on account of the minor or technical nature of the infractions involved, were redeemed for nominal fees by the persons from whom they had been originally seized.

## Artificial Lights:—

|                        |    |
|------------------------|----|
| Flashlights.....       | 36 |
| Gasoline lanterns..... | 6  |
| Coal oil lanterns..... | 2  |
| Carbide lamps.....     | 5  |
| Spotlights.....        | 6  |
| Jack-lights.....       | 2  |

## Miscellaneous articles:—

Among the miscellaneous articles which were seized are included the following:—

|                            |    |
|----------------------------|----|
| Decoys.....                | 48 |
| Tarpaulins and tents.....  | 4  |
| Pack-sacks.....            | 14 |
| Haversacks.....            | 7  |
| Suit-cases.....            | 4  |
| Trunks.....                | 1  |
| Axes.....                  | 9  |
| Knives.....                | 5  |
| Shovels.....               | 3  |
| Forks.....                 | 1  |
| Metal fish containers..... | 6  |
| Storage batteries.....     | 3  |
| Fish shanties.....         | 2  |

As in the case of traps and snares, due to the minor and technical nature of the offences which were responsible for the actual seizures, in a large percentage of the cases involving fire-arms and angling equipment, many of these articles were redeemed for nominal fees by those from whom the seizures were made.

## PROSECUTIONS

The statistics in the subjoined tables, and the explanatory remarks which follow may prove of considerable interest to those concerned.

## INFORMATIONS

|                        | Seizures | Investigations | Total |
|------------------------|----------|----------------|-------|
| Overseers.....         | 1,789    | 279            | 2,068 |
| Provincial Police..... | 26       | ..             | 26    |
| Joint Action.....      | 29       | 6              | 35    |
| Total.....             | 1,844    | 285            | 2,129 |

## RESULTS OF PROSECUTIONS

|                        | Convictions | Dismissed | Withdrawn | Total |
|------------------------|-------------|-----------|-----------|-------|
| Overseers.....         | 1,979       | 85        | 4         | 2,068 |
| Provincial Police..... | 26          | ..        | ..        | 26    |
| Joint Action.....      | 35          | ..        | ..        | 35    |
| Total.....             | 2,040       | 85        | 4         | 2,129 |

Resulting from patrols and investigation, charges were laid against violators in a total of 2,129 cases in which infractions of provisions of the Game and Fisheries Act and Regulations, the Special Fishery Regulations for Ontario and the Migratory Birds Convention Act and Regulations which had been witnessed or disclosed upon investigation.

In 2,040 of these court actions, convictions were registered by the various Magistrates before whom the respective charges were heard; in 85 cases the charges were dismissed for lack of sufficient substantiating evidence; and in the 4 remaining cases the charges were, for various reasons, withdrawn by the officers who had been responsible for laying the same.

A review of these 2,129 cases which were prosecuted reveals the following information which may presumably be of further interest:

Fish and Wildlife Overseers laid the charges in 2,068 instances; convictions were registered in 1,979 of these, 1,718 of which were subsequent to seizure of equipment on observance of infractions, and 261 following investigation of information which disclosed infractions. The charges laid by Overseers in 85 cases, 67 following seizures and 18 following investigation, were dismissed; and in the remaining 4 cases, all following seizures, the charges were withdrawn.

Provincial Police Constables were responsible for the laying of charges in 26 cases, in all of which this action followed seizures, and in all these cases convictions were registered.

Joint action by Overseers, Deputy Game Wardens, Provincial Police Constables and/or Municipal Police Constables was subsequently followed by the laying of information in 35 cases, all of which were successfully prosecuted and convictions recorded. The charges in 29 of these cases were as a result of, and subsequent to, seizures and the observance of violations, while in the remaining 6 cases the informations were laid following the investigation of evidence of infractions.

#### WILDLIFE MANAGEMENT

##### *General*

The over-all picture with respect to wildlife management in Ontario during the first warless year is not entirely satisfactory. Wartime prosperity had resulted in a steady increase of hunting pressure, despite the absence of a large proportion of able-bodied men in military service, the severe shortage of sporting goods, especially ammunition, and the drastic gasoline rationing. The present year finds all restrictions removed, our fighting men all home and absorbed into civilian occupations, and a general high level of wages and almost complete employment. Similar conditions prevail in the United States. The result is an intensity of hunting pressure, both from residents and non-residents, such as our Province has never before known.

Coupled with increased hunting, there are a number of factors at work that are inimical to wildlife. In farm lands, game has always been dependent on patches of weeds and brush for food and cover, especially such species as European Hare, Pheasant and Hungarian Partridge that do not frequent woodlots. These patches have always been a blight on the landscape from the point of view of clean farming, but, fortunately for the game, really energetic farmers have not been too numerous. We now live in the age of chemical weed and brush killers, and what was once wished for in the way of clean farming, now becomes possible. We also have rural engineers keeping open roads that were formerly allowed to drift in winter, and each patch of weeds and brush on the roadside is a potential snowdrift. Obviously, wildlife management can never exist at cross-purposes with scientific agriculture. If the old food and shelter patches should go, then go they must, but it becomes our task to develop techniques for providing food and shelter that will not be objectionable.

Of a similar nature are local increases of pasture land, conversion of waste land into tobacco farms, and penetration of the vital deer winter range by farming which may superficially leave the country practically unaltered, because miles of barren hills still exist, while actually clearing the swamps which were the sole support in winter of deer ranging the whole area in hunting season. They are offset by some gains, chiefly in the matter of reforestation, and in the management of woodlots but wildlife management still remains largely a matter of executive orders rather than an established part of our land use, though we know that wildlife is a product of the land, not of regulations.

Many of our important wildlife species are at the crossroads today, with a natural tendency to slide into an easy downgrade leading to oblivion—part of the famous road paved with good intentions. The condition of our waterfowl is alarming. The propagation of exotic species can easily be merely a sink hole for public and private funds unless there is food and cover for the birds in the area in which they are released, and unless they are protected at release from the shock of changing their environment. Our moose have shown a distinct tendency to go downhill. Our caribou have nearly vanished. Now they are hanging on and could reasonably be headed upward if we give them a little help. Beaver are abundant, and will stay that way if we give them help. Other fine fur bearers are scarce, but where trappers can get a good revenue from beaver the other species can spread out from the game preserves without being persecuted to extinction.

#### *Migratory Birds*

The regulations respecting migratory birds are established by federal authority under the Migratory Birds Convention Act. There is no doubt that the situation of our ducks and geese is more alarming than it has been since 1936. They have shown a sharp decline for the second year in succession, and the report of the mid-winter inventory organized by the United States Fish and Wildlife Service shows a critical condition. Checks of hunters' bags of ducks are reported to have shown a shortage of young birds, and this is reflected also in reports of goose hunters visiting James Bay. For the first time the mid-winter duck count was extended to the entire winter range of ducks and our officers participated by counting ducks on Ontario open waters during the census period.

Woodcock seem to be holding their numbers. A series of counts to check the abundance of this species on Ontario nesting grounds was commenced.

#### *Upland Game (Native)*

The various species of grouse now show a general increase, after having been at the bottom of their natural cycle. In a few areas the increase is well enough advanced that the birds can no longer be called scarce, while in others the increase has still not begun. A fairly general increase in snowshoe rabbits is also reported. Cottontail rabbits remain in normal numbers.

It has been drawn to our attention that our only population of pinnated grouse, on Manitoulin Island, has been spreading recently. This fact was given publicity in the Department's magazine "Sylva" with a view to aiding in protection, so that the colony of these birds on the island could be built up and perhaps used for propagation.

#### *Fur-Bearing Animals*

Nearly all fur-bearing animals vary in numbers according to the progress of natural cycles. A few, notably the beaver, remain constant excepting as their numbers are controlled by trapping. The most notable population change is a decrease of mink, which are becoming scarce. Muskrat are also showing signs of decline, although in many of our best areas the population is still high. Weasel and raccoon are reported to be decreasing locally and although skunks are still numerous they have fallen off to some extent. In some of these low-value furs, the volume of trade gives little indication of populations. Fox remains abundant. In a few areas there are stocks of fisher and marten, but both of these species, and the lynx as well, are so scarce that natural cycles fail to develop normally. The wolverine is practically extinct, a fact which may ultimately be regretted, as its fur possesses special properties which are making it valuable. As a predator the species was hardly more destructive than other

fur-bearers and its depredations on trap-lines were probably less serious than those of the wolf. Its near-extinction is evidence against any great difficulty of capture.

#### *Trap-line Management*

A careful study is now being made of the possibility of improving the basis of trap-line management in Ontario.

#### *Introduced Wildlife*

The ring-necked pheasant was at a low ebb in southern Ontario in the spring of 1946 after a series of adverse seasons. A study of the wild hatch showed large and healthy broods, but the number of broods was extremely small. As the quality of the shoot is determined by the wild stock it was obviously predestined to be poor. Isolated colonies of Hungarian Partridge survive, after unfavourable seasons, over a wide area. They are reasonably numerous in the eastern tip of the Province. European hares are in normal numbers, and have practically stopped spreading.

#### *Wildlife Propagation*

Pheasants were raised under contract at the Department's farms at Norman-dale and Codrington. In addition, deficiencies in our supply of birds were made up by purchase from private breeders.

#### DISTRIBUTION OF PHEASANTS IN ONTARIO For the fiscal year ending March 31, 1947

| County          | Township            | Poults | Hens  | Cocks | Total |
|-----------------|---------------------|--------|-------|-------|-------|
| Essex.....      |                     | 1,080  | 280   | 128   | 1,488 |
| Kent.....       |                     | 1,000  | 200   | 36    | 1,236 |
| Lambton.....    | Plympton.....       | 195    | ..... | ..... | 195   |
|                 | Sarnia.....         | 395    | ..... | ..... | 395   |
| Elgin.....      | S. Dorchester.....  | 195    | ..... | ..... | 195   |
|                 | Bayham.....         | 210    | ..... | ..... | 210   |
|                 | Malahide.....       | 195    | ..... | ..... | 195   |
|                 | Dunwich.....        | 195    | ..... | ..... | 195   |
|                 | Aldborough.....     | 195    | ..... | ..... | 195   |
| Middlesex.....  | Westminster.....    | 210    | ..... | ..... | 210   |
|                 | Metcalfe.....       | 195    | ..... | ..... | 195   |
| Norfolk.....    | Woodhouse.....      | 210    | ..... | ..... | 210   |
|                 | Middleton.....      | 200    | ..... | ..... | 200   |
|                 | Townsend.....       | 210    | 38    | 2     | 250   |
|                 | Windham.....        | 210    | ..... | ..... | 210   |
| Oxford.....     | East Oxford.....    | 195    | ..... | ..... | 195   |
|                 | Dereham.....        | 210    | ..... | ..... | 210   |
| Brant.....      | Burford.....        | 195    | ..... | ..... | 195   |
|                 | Dumfries South..... | 195    | ..... | ..... | 195   |
|                 | Onondaga.....       | 200    | ..... | ..... | 200   |
| Wellington..... | Puslinch.....       | 195    | ..... | ..... | 195   |
| Haldimand.....  | Dunn.....           | 195    | ..... | 6     | 201   |
|                 | Cayuga.....         | 210    | ..... | ..... | 210   |
|                 | Canboro.....        | 210    | ..... | ..... | 210   |
|                 | Walpole.....        | 210    | ..... | ..... | 210   |
|                 | Oneida.....         | 195    | ..... | ..... | 195   |
|                 | Rainham.....        | 205    | ..... | ..... | 205   |
|                 | Seneca.....         | 420    | ..... | ..... | 420   |
|                 | Cayuga South.....   | 195    | ..... | ..... | 195   |
|                 | Moulton.....        | 195    | ..... | ..... | 195   |
|                 | Sherbrooke.....     | 195    | ..... | ..... | 195   |
|                 | Total.....          | 8,315  | 518   | 172   | 9,005 |

DISTRIBUTION OF PHEASANTS IN ONTARIO  
For the fiscal year ending March 31, 1947

| County                      | Township  | Poults | Hens  | Cocks | Total  |
|-----------------------------|---|--------|-------|-------|--------|
| Welland . . . . .           | Carried Forward . . . . .                               | 8,315  | 518   | 172   | 9,005  |
|                             | Wainfleet . . . . .                                     | 210    | ..... | ..... | 210    |
|                             | Humberstone . . . . .                                   | 195    | ..... | ..... | 195    |
|                             | Crowland . . . . .                                      | 195    | ..... | ..... | 195    |
|                             | Thorold . . . . .                                       | 500    | ..... | ..... | 500    |
|                             | Stamford . . . . .                                      | 195    | ..... | ..... | 195    |
| Lincoln . . . . .           | Bertie . . . . .  | 210    | ..... | ..... | 210    |
|                             | Willoughby . . . . .                                    | 195    | ..... | ..... | 195    |
|                             | Grimsby South . . . . .                                 | 195    | ..... | ..... | 195    |
|                             | Clinton . . . . .                                       | 250    | ..... | ..... | 250    |
|                             | Caistor . . . . .                                       | 195    | ..... | ..... | 195    |
|                             | Gainsborough . . . . .                                  | 195    | ..... | ..... | 195    |
| Lincoln & Niagara . . . . . | Grantham . . . . .                                      | 250    | ..... | ..... | 250    |
|                             | Louth . . . . .   | 200    | ..... | ..... | 200    |
|                             | Niagara . . . . .                                       | 445    | ..... | ..... | 445    |
|                             | From Niagara District Pheasant Breeders Ass'n . . . . . | 1,200  | ..... | ..... | 1,200  |
|                             | Trafalgar . . . . .                                     | 400    | ..... | ..... | 400    |
|                             | Nelson . . . . .  | 200    | 128   | 20    | 348    |
| Wentworth . . . . .         | Esquesing . . . . .                                     | 400    | ..... | ..... | 400    |
|                             | Nassagaways . . . . .                                   | 200    | ..... | ..... | 200    |
|                             | Ancaster . . . . .                                      | 200    | ..... | ..... | 200    |
|                             | Barton . . . . .  | 200    | ..... | ..... | 200    |
|                             | Saltfleet . . . . .                                     | 445    | ..... | ..... | 445    |
|                             | Flamboro West . . . . .                                 | 200    | ..... | ..... | 200    |
| Peel . . . . .              | Flamboro East . . . . .                                 | 200    | ..... | ..... | 200    |
|                             | Beverly . . . . .                                       | 200    | ..... | ..... | 200    |
|                             | Binbrook . . . . .                                      | 195    | ..... | ..... | 195    |
|                             | Glanford . . . . .                                      | 195    | ..... | ..... | 195    |
|                             | Toronto . . . . .                                       | 200    | 132   | 20    | 352    |
|                             | Chinguacousy . . . . .                                  | 400    | ..... | ..... | 400    |
| York . . . . .              | Albion . . . . .  | 200    | ..... | ..... | 200    |
|                             | Caledon . . . . .                                       | 200    | ..... | ..... | 200    |
|                             | Toronto Gore . . . . .                                  | 200    | ..... | ..... | 200    |
|                             | Scarborough . . . . .                                   | 400    | ..... | ..... | 400    |
|                             | Markham . . . . .                                       | 400    | ..... | ..... | 400    |
|                             | Whitchurch . . . . .                                    | 200    | ..... | ..... | 200    |
| Ontario . . . . .           | Vaughan . . . . .                                       | 400    | ..... | ..... | 400    |
|                             | King . . . . .  | 400    | ..... | ..... | 400    |
|                             | Gwillimbury North . . . . .                             | 200    | ..... | ..... | 200    |
|                             | Gwillimbury East . . . . .                              | 90     | ..... | ..... | 90     |
|                             | Pickering . . . . .                                     | 400    | 161   | 11    | 572    |
|                             | East Whitby . . . . .                                   | 400    | ..... | ..... | 400    |
| Prince Edward . . . . .     | West Whitby . . . . .                                   | 200    | ..... | ..... | 200    |
|                             | South Marysburg . . . . .                               | 600    | ..... | ..... | 600    |
| Durham . . . . .            | Hope . . . . .  | .....  | 30    | 16    | 46     |
|                             | Cavan . . . . .   | 30     | ..... | ..... | 30     |
| Northumberland . . . . .    | Brighton . . . . .                                      | .....  | 30    | 16    | 46     |
|                             | Presqu'ile Point . . . . .                              | 40     | ..... | ..... | 40     |
|                             | South Monaghan . . . . .                                | 15     | ..... | ..... | 15     |
|                             | Trenton . . . . .                                       | 45     | ..... | ..... | 45     |
| Frontenac . . . . .         | Wolfe Island . . . . .                                  | .....  | 24    | 12    | 36     |
|                             | Doure . . . . .   | 25     | ..... | ..... | 25     |
| Total . . . . .             |   | 21,025 | 1,023 | 267   | 22,315 |

A complete review of the history of the Ring-necked Pheasant in Ontario made during the year revealed that, in areas where the snowfall totalled over 50 inches, pheasants were never established in shootable numbers unless there was some local condition related to agricultural practice which provides compensating food and shelter in winter. Where the snowfall is greater than 70 inches it is not worth while trying pheasants at all.

### Open Seasons

In addition to the open seasons established by statute, the following open seasons were established by Order-in-Council under appropriate sections of the Game and Fisheries Act, 1946.

*Ruffed Grouse, Spruce Grouse, Sharp-tailed Grouse and Ptarmigan*—An open season was established from October 5th to October 14th, 1946, both dates inclusive, in all parts of Ontario excepting the counties of Essex, Kent, Lambton, Middlesex, Elgin, Perth, Oxford, Norfolk, Waterloo, Brant, Haldimand, Wentworth, Lincoln, Welland, Peel, Halton and York, and the townships of Pickering, Whitby and Whitby East in Ontario County. The bag limit was set at five birds per day and twenty for the whole season.

*Pheasants*—The open season for pheasants permitted ring-necked pheasants to be hunted or killed with guns other than guns using ammunition containing only one bullet between the hours of 8 a.m. and 5 p.m.,—

- (a) On October 23rd, 26th and 28th, 1946, in the townships of,—Caistor, Clinton, Gainsboro, Grantham, Grimsby North, Grimsby South, Louth and Niagara in the County of Lincoln; Bertie, Crowsland, Humberstone, Pelham, Stamford, Thorold, Wainfleet and Willoughby in the County of Welland; and Ancaster, Barton, Beverley, Binbrook, Flamboro East, Flamboro West, Glanford and Saltfleet in the County of Wentworth;
- (b) On October 25th and 26th, 1946, in the townships of,—Marysburgh South in the County of Prince Edward; Pickering, Whitby and Whitby East in the County of Ontario; Gwillimbury North, King, Markham, Scarborough, Vaughan and Whitchurch in the County of York; Albion, Caledon, Chinguacousy, and in that portion of the Township of Toronto lying North of the Queen Elizabeth Highway, in the County of Peel; Esquesing, Nassagaweya, Nelson and Trafalgar in the County of Halton; Puslinch in the County of Wellington; Burford, Dumfries South and Onandaga in the County of Brant; Dereham and Oxford East in the County of Oxford; Aldborough, Bayham, Dorchester South, Dunwich and Malahide in the County of Elgin; and Westminster in the County of Middlesex (part);
- (c) On October 24th in Lambton county, except the Township of Plympton;
- (d) On October 31st and November 1st in Pelee Island, Essex County.

The bag limit was set at three cock pheasants per day except in Pelee Island where it was set at four cock pheasants per day.

*Black and Gray Squirrels*—An open season was established on November 15th and 16th, 1946, with a bag limit of five squirrels per day.

*Deer*—In addition to the deer season provided by statute open seasons were established whereby deer were hunted, killed or destroyed,—

- (a) On November 11th to November 26th, 1946, in Carleton County west of the Rideau River;
- (b) On November 18th to 23rd, both inclusive, in the Counties of Bruce and Grey; and in the Townships of Williamsburgh and Mountain, in the County of Dundas;
- (c) On November 27th to 30th, both inclusive, in the year 1946 in the Townships of Howard and Orford in the County of Kent; Blandford, Blenheim and Nissouri East, in the County of Oxford; Erin and Minto in the County of Wellington; and Esquesing and Nassagaweya in the County of Halton; Puslinch in the County of Wellington.

Rifles were permitted in Bruce and Grey Counties, and in the Township of Mountain in the County of Dundas. In all the other areas listed only shotguns with S.S.G. or buckshot loads, and bow and arrow, were permitted.

A special licence was used in isolated townships.

*Beaver*—An open season for beaver was established from December 1st to December 21st, both inclusive, in all of Ontario north and west of the French and Mattawa Rivers excepting the district of Rainy River and that portion of Kenora District south of the main line of the C.N.R. and west of the C.N.R. line running from Fort William to Superior Junction. South of the French and Mattawa Rivers, the same season was established in the districts of Parry Sound and Nipissing, the county of Lanark, and the townships of Artemisia, Bentinck, Euphrasia, Glenelg, Holland, Normanby, Proton and Sullivan in the County of Grey.

The bag limit was set at ten beaver per trapper.

*Muskrat*—Provision was made whereby (including extensions) muskrats were hunted, taken or killed, and the carcass, pelt or any part thereof possessed,—

- (a) On March 6th to April 12th, both inclusive, in the year 1947 in the Counties of Brant, Elgin, Essex, Haldimand, Kent, Lincoln, Norfolk, Oxford, Welland and Wentworth; and those parts of the Counties of Halton, Lambton, Middlesex, Peel, Perth, Waterloo and Wellington lying south of Highway No. 7;
- (b) On March 20th to April 26th, both inclusive, in the year 1947 in the Counties of Bruce, Carleton, Dufferin, Dundas, Durham, Glengarry, Grenville, Grey, Huron, Leeds, Northumberland, Ontario, Peterborough, Prescott, Prince Edward, Russell, Simcoe, Stormont, Victoria and York; and those parts of the Counties of Lambton, Halton, Middlesex, Peel, Perth, Waterloo and Wellington lying north of Highway No. 7; and those parts of the counties of Frontenac, Hastings and Lennox and Addington lying south of Highway No. 7; and that part of the County of Lanark lying south of Highway No. 7 and east of Highways No. 15 and No. 29;
- (c) On March 20th to May 5th, both inclusive, in the year 1947, in the County of Renfrew, the Provisional County of Haliburton and the Districts of Muskoka and Parry Sound; and that part of the District of Nipissing lying south of the Township of Widdifield and the Mattawa River; and those parts of the Counties of Frontenac, Hastings and Lennox and Addington lying north of Highway No. 7; and that part of the County of Lanark lying north of Highway No. 7 and west of Highways No. 15 and No. 29;
- (d) On April 1st to May 21st, both inclusive, in the year 1947, in the Districts of Algoma, Rainy River and Sudbury; and that part of the District of Nipissing lying north of the south boundary of the Township of Widdifield and the Mattawa River;
- (e) On April 1st to May 31st, both inclusive, in the year 1947, in the Districts of Cochrane, Kenora, Patricia, Timiskaming and Thunder Bay.

*Migratory Birds*—A summary of the Federal Regulations for 1946 as they applied to Ontario follows:—

Open Seasons (both dates inclusive) Woodcock, October 1 to October 31st.

Ducks (other than Eiders),  
Geese (other than Brant), Rails, Coots, Gallinules.

Northern District (defined below): September 16th to November 29th.

Throughout the remainder of the Province: September 25 to December 9, except that in the Counties of Essex, Kent and Elgin the open season for geese (other than Brant) shall be from November 1 to January 10.

The Northern District of Ontario is defined as that part of the Province lying north and west of a line described as follows: Commencing at the southwest angle of Bruce County; thence in a general easterly direction along the southerly boundaries of Bruce and Grey Counties to the southwest angle of Nottawasaga Township in the County of Simcoe, along the south boundaries of Nottawasaga, Sunnidale and Vespra Townships to the line of mean high water of Lake Simcoe, along the said line of mean high water on the south side of Lake Simcoe to the northwest angle of Brock Township in the County of Ontario, and along the north boundary of Brock Township to the centre of King's Highway No. 12; thence southerly along the centre line of the said Highway to the centre line of the right-of-way of the Canadian Pacific Railway in the vicinity of Myrtle; thence in a general easterly direction along the said centre line to the city of Peterborough, along the centre line of King's Highway No. 7 to the west boundary of Lanark County, along the west and south boundaries of Lanark County to the line of mean high water on the north side of Rideau Lake, and along the line of mean high water on the north side of Rideau Lake and Rideau River to a point opposite the northeast angle of Grenville County; thence southerly along the east boundary of Grenville County to the northwest angle of Dundas County; thence easterly along the northerly boundaries of Dundas, Stormont and Glengarry Counties to the interprovincial boundary.

*Eider Ducks*—North of the Quebec-Cochrane-Winnipeg line of the C.N.R.: September 16 to November 15. *Close Seasons*—There is a close season throughout the year on Brant, Swans, Cranes, Wilson's Snipe, all other shore birds except Woodcock, and all migratory non-game and insectivorous birds.

The possession of migratory game birds killed during the open season is allowed in Ontario until March 31 following the open season.

*Bag Limits*—In any day: Ducks (exclusive of Mergansers), 12, of which not more than 1 may be a Wood Duck; Geese (other than Brant), 5; Rails, Coots and Callinules, 25; Woodcock, 8. In any open season: Ducks (exclusive of Mergansers) 150; Geese (other than Brant), 25; Woodcock, 100.

#### *Guns, Appliances and Hunting Methods*

*Forbidden*—The use of any automatic (auto-loading) gun with a magazine that has not been permanently plugged or altered so that it cannot carry more than two cartridges, or rifle, or swivel or machine gun, or battery, or any gun larger than number 10 gauge, or any weapon other than a gun or a bow and arrow; and the use of live birds as decoys, or of any aeroplane, power-boat, sail-boat, or night-light, and shooting from any motor or wheeled vehicle or a vehicle to which a draught animal is attached. The hunting of migratory game birds by the use or aid of baiting with grain or other artificial food is prohibited.

Persons using blinds or decoys for hunting migratory game birds are urged to consult the Regulations for details of the restrictions upon this method of hunting.

For special restrictions about hunting on waters of Rondeau Bay, see Regulations.

The shooting of migratory game birds earlier than one-half hour before sunrise or later than one-half hour after sunset is prohibited.

The penalty for violation of the migratory bird laws is a fine of not more than three hundred dollars and not less than ten dollars, or imprisonment for a term not exceeding six months, or both fine and imprisonment.

#### *Wildlife Surveys—*

A study of various census methods with respect to the ring-necked pheasant, *carried out by the Research Division* in southern Ontario. This was extended by the Fish and Wildlife Division to include a study of the history of the pheasant in Ontario in relation to various factors affecting its survival, done by Head Office staff, and a field check of the birds through the pre-hunting season, done by one of the officers who had taken part in pheasant distribution during the summer. The results have already been mentioned. A study of cormorant colonies on Georgian Bay was also carried out. A special pre-season and hunting season check of pheasant numbers was also made on Pelee Island in order to arrive at a formula for estimating the pheasant population there.

#### *Wildlife Harvest—*

As a means of checking the success attending hunting in Ontario, a card for recording hunting effort and bag, known as the "Game Bag Census Card" was printed and distributed to hunters.

In addition to these cards we had checks of deer hunters on the highway and various reports of game shipped and exported.

During the hunting season of 1946 the Canadian Pacific Express Company reported handling over its lines in Ontario 689 deer, 41 moose and 41 bear.

Through the ports of Rainy River, Fort Frances and Rainier the following were exported: moose, 200; deer, 3002; caribou, 2; bear, 141; geese, 8; ducks, 2,493. Some of this game was taken outside Ontario, e.g. the caribou.

A check by overseers at the port of Windsor on November 16 (squirrel season) and November 23 showed the following exports of game:

|                         | November 16 | November 23 |
|-------------------------|-------------|-------------|
| Total cars.....         | 198         | 199         |
| Total hunters.....      | 533         | 569         |
| European hares.....     | 575         | 588         |
| Cottontail rabbits..... | 616         | 576         |
| Squirrels.....          | 494         | ...         |
| Deer.....               | 11          | 6           |
| Ducks.....              | 119         | 143         |
| Bears.....              | 1           | ...         |
| Raccoons.....           | 13          | ...         |

At the port of Windsor, the Essex County Sportsmen's Association also checked on four Saturdays in the fall for five hours each, and counted 3,002 hunters and 7,171 rabbits.

It is generally felt that the border area is over-hunted because of its proximity to population centres in the United States and, for that reason, there is strong local objection to non-resident hunters. This is directed impartially against the entire non-resident group.

The Gravenhurst road check showed the following for the period November 7th to November 21st. It is compared with a check from November 6th to November 19th, 1941.

|              | 1946  | 1941  |
|--------------|-------|-------|
| Hunters..... | 7,389 | 4,264 |
| Moose.....   | 2     | 5     |
| Deer.....    | 3,280 | 3,001 |
| Bear.....    | 62    | 48    |
| Wolves.....  | 3     | 1     |

At Pelee Island, a complete count was made of the pheasants killed during the open season, and by means of certain additional counts, the following figures were ascertained concerning pheasants on Pelee Island:

|  |       |
|--|-------|
| Number of hens before open season.....     | 5,160 |
| Number of cocks before open season.....    | 5,263 |
| Number of cocks killed.....                | 4,615 |
| Number of hens (illegally) killed.....     | 300   |
| Number of hens after the open season.....  | 4,860 |
| Number of cocks after the open season..... | 648   |

All of these figures except the actual kill should be rounded off, but it may be taken that there were at least 10,000 birds on the island before the shoot, and at least 4,000 hens and 600 cocks left after the shoot.

The Game Bag Census Cards indicated that, by those reporting in 1946, there were 0.7 deer killed per hunter, and the number of deer killed per hunter-day was 0.09. The area covered was much larger than that funnelled through the road block and included portions where deer were very abundant.

Only 8% of the hunters reporting were hunting ducks, and some of these may have hunted only incidentally. Only 5% as much time was spent on duck-hunting as on deer hunting, by hunters reporting.

#### *Wildlife Library*

A start was made on the assembling of a library on wildlife management. Contributions and exchanges will be welcomed.

#### *Wildlife Research*

Close co-operation was maintained with wildlife research parties from the Research Division.

#### *Technical Personnel*

At present there is a serious lack in Ontario of men trained in wildlife management. A few service men have shown an interest in the subject and are taking up studies at universities which will give them basic knowledge, but they will not be available for employment for several years, during which time essential work is certain to be delayed.

REVENUE RECEIVED FROM EXPORT PERMITS  
April 1, 1946 to March 31, 1947

| Species                    | Total Amount of Pelts | Total Amount of Revenue |
|----------------------------|-----------------------|-------------------------|
| Bear.....                  | 90                    | \$ 45.00                |
| Beaver.....                | 45,847                | 91,694.00               |
| Fisher.....                | 1,667                 | 2,620.50                |
| Fox (Cross).....           | 2,771                 | 4,156.50                |
| Fox (Red).....             | 24,429                | 12,214.50               |
| Fox (Silver or Black)..... | 496                   | 848.50                  |
| Fox (White).....           | 148                   | 222.00                  |
| Fox (Not specified).....   | .....                 | .....                   |
| Lynx.....                  | 766                   | 1,149.00                |
| Marten.....                | 1,919                 | 1,919.00                |
| Mink.....                  | 36,541                | 18,270.50               |
| Muskrat.....               | 441,478               | 44,147.80               |
| Otter.....                 | 5,158                 | 5,158.00                |
| Raccoon.....               | 15,922                | 1,592.20                |
| Skunk.....                 | 36,644                | 1,832.20                |
| Weasel.....                | 53,778                | 2,688.90                |
| Wolverine.....             | 4                     | 1.80                    |
| Total Revenue.....         | .....                 | \$188,560.40            |

REVENUE RECEIVED FROM TANNERS PERMITS  
April 1, 1946 to March 31, 1947

| Species                    | Total Amount of Pelts | Total Amount of Revenue |
|----------------------------|-----------------------|-------------------------|
| Bear.....                  | 280                   | \$ 140.00               |
| Beaver.....                | 61                    | 122.00                  |
| Fisher.....                | 50                    | 80.50                   |
| Fox (Cross).....           | 99                    | 148.50                  |
| Fox (Red).....             | 3,669                 | 1,834.50                |
| Fox (Silver or Black)..... | 62                    | 116.50                  |
| Fox (White).....           | .....                 | .....                   |
| Fox (Not specified).....   | .....                 | .....                   |
| Lynx.....                  | 11                    | 16.50                   |
| Marten.....                | 19                    | 19.00                   |
| Mink.....                  | 1,120                 | 560.00                  |
| Muskrat.....               | 198,391               | 19,807.15               |
| Otter.....                 | 24                    | 24.00                   |
| Raccoon.....               | 2,453                 | 245.30                  |
| Skunk.....                 | 1,393                 | 69.65                   |
| Weasel.....                | 914                   | 45.70                   |
| Total Revenue.....         | .....                 | \$23,229.30             |

## SUMMARY

| Species                    | Pelts Exported | Pelts Tanned | Total Pelts |
|----------------------------|----------------|--------------|-------------|
| Bear.....                  | 90             | 280          | 370         |
| Beaver.....                | 45,847         | 61           | 45,908      |
| Fisher.....                | 1,667          | 50           | 1,717       |
| Fox (Cross).....           | 2,771          | 99           | 2,870       |
| Fox (Red).....             | 24,429         | 3,669        | 28,098      |
| Fox (Silver or Black)..... | 496            | 62           | 558         |
| Fox (White).....           | 148            | .....        | 148         |
| Fox (Not specified).....   | .....          | .....        | .....       |
| Lynx.....                  | 766            | 11           | 777         |
| Marten.....                | 1,919          | 19           | 1,938       |
| Mink.....                  | 36,541         | 1,120        | 37,661      |
| Muskrat.....               | 441,478        | 198,391      | 639,869     |
| Otter.....                 | 5,158          | 24           | 5,182       |
| Raccoon.....               | 15,922         | 2,453        | 18,375      |
| Skunk.....                 | 36,644         | 1,393        | 38,037      |
| Weasel.....                | 53,778         | 914          | 54,692      |
| Wolverine.....             | 4              | .....        | 4           |

Revenue received from Export Permits..... \$188,560.40  
 Revenue received from Tanners Permits..... 23,229.30  
 Total Revenue..... \$211,789.70

TOTAL VALUE OF PELTS EXPORTED OR TANNED  
During the year ending March 31, 1947

| Species                    | Pelts Exported | Pelts Tanned | Total Pelts | Value of Pelts |
|----------------------------|----------------|--------------|-------------|----------------|
| Bear.....                  | 90             | 280          | 370         | \$ 814.00      |
| Beaver.....                | 45,847         | 61           | 45,908      | 1,273,947.00   |
| Fisher.....                | 1,667          | 50           | 1,717       | 59,803.11      |
| Fox (Cross).....           | 2,771          | 99           | 2,870       | 22,242.50      |
| Fox (Red).....             | 24,429         | 3,669        | 28,098      | 84,294.00      |
| Fox (Silver or Black)..... | 496            | 62           | 558         | 9,452.52       |
| Fox (White).....           | 148            | .....        | 148         | 2,396.12       |
| Fox (Not specified).....   | .....          | .....        | .....       | .....          |
| Lynx.....                  | 766            | 11           | 777         | 17,904.00      |
| Marten.....                | 1,919          | 19           | 1,938       | 45,988.74      |
| Mink.....                  | 36,541         | 1,120        | 37,661      | 915,538.91     |
| Muskrat.....               | 441,478        | 198,391      | 639,869     | 2,271,534.95   |
| Otter.....                 | 5,158          | 24           | 5,182       | 125,663.50     |
| Raccoon.....               | 15,922         | 2,453        | 18,375      | 39,690.00      |
| Skunk.....                 | 36,644         | 1,393        | 38,037      | 30,429.60      |
| Weasel.....                | 53,778         | 914          | 54,692      | 67,271.16      |
| Wolverine.....             | 4              | .....        | 4           | 49.32          |
| Total.....                 | 667,658        | 208,546      | 876,204     | \$4,966,209.43 |

STATEMENT OF RANCH RAISED PELTS EXPORTED OR TANNED  
For the year ending March 31, 1947

| Species                    | Exported | Tanned | Total Pelts | Value of Pelts |
|----------------------------|----------|--------|-------------|----------------|
| Fox (Cross).....           | 56       | 8      | 64          | \$ 496.00      |
| Fox (Silver or Black)..... | 23,058   | 3,294  | 26,352      | 446,402.88     |
| Fox (Blue).....            | 1,244    | .....  | 1,244       | 22,640.80      |
| Mink.....                  | 70,982   | 2,788  | 73,770      | 1,793,348.70   |
|                            | 95,340   | 6,090  | 101,430     | \$2,262,888.38 |

### Fur Farming

The decided slump in the raw fur market during 1946 was responsible for mink ranchers receiving up to 25% less for their furs than they received last year. The demand for long hair furs, principally fox, declined to such an extent that auction houses reported only 10 to 20% clearances and in some cases, the prices offered were so low that the entire offering of fox was withdrawn. Many fox ranchers realized prices equal only to production costs.

This condition, together with the rising costs of feed, building materials and labour has harassed the fur farmer, and caution in the purchase of breeding stock and production is the keynote for the coming year.

During the calendar year 1946, 1,502 Fur Farmers' licences were issued, 1,187 being renewals of previous licences and 315 for newly established fur farms.

Mink and fox continued to be the principal species propagated on ranches and Departmental records show that during the fiscal year 1946-47 fur farmers disposed of their production of these species in the following manner:

| Species              | Tanned | Exported | Total  |
|----------------------|--------|----------|--------|
| Mink . . . . .       | 2,788  | 70,982   | 73,770 |
| Silver Fox . . . . . | 3,294  | 23,058   | 26,352 |

The following table shows the location by County and Districts of licensed fur farms in Ontario:—

| County or District             | Number | County or District       | Number |
|--------------------------------|--------|--------------------------|--------|
| Algoma . . . . .               | 21     | Middlesex . . . . .      | 51     |
| Brant . . . . .                | 9      | Nipissing . . . . .      | 8      |
| Bruce . . . . .                | 58     | Norfolk . . . . .        | 12     |
| Carleton . . . . .             | 30     | Northumberland . . . . . | 7      |
| Cochrane . . . . .             | 14     | Ontario . . . . .        | 40     |
| Dufferin . . . . .             | 7      | Oxford . . . . .         | 26     |
| Dundas . . . . .               | ..     | Parry Sound . . . . .    | 19     |
| Durham . . . . .               | 8      | Peel . . . . .           | 33     |
| Elgin . . . . .                | 18     | Perth . . . . .          | 52     |
| Essex . . . . .                | 16     | Peterboro . . . . .      | 9      |
| Frontenac . . . . .            | 20     | Prescott . . . . .       | 11     |
| Glengarry . . . . .            | 5      | Prince Edward . . . . .  | 6      |
| Grenville . . . . .            | 6      | Rainy River . . . . .    | 28     |
| Grey . . . . .                 | 85     | Renfrew . . . . .        | 52     |
| Haldimand . . . . .            | 16     | Russell . . . . .        | 2      |
| Haliburton . . . . .           | 1      | Simcoe . . . . .         | 89     |
| Halton . . . . .               | 24     | Stormont . . . . .       | 3      |
| Hastings . . . . .             | 9      | Sudbury . . . . .        | 12     |
| Huron . . . . .                | 56     | Timiskaming . . . . .    | 12     |
| Kenora . . . . .               | 26     | Thunder Bay . . . . .    | 102    |
| Kent . . . . .                 | 22     | Victoria . . . . .       | 15     |
| Lambton . . . . .              | 20     | Waterloo . . . . .       | 40     |
| Lanark . . . . .               | 79     | Welland . . . . .        | 10     |
| Leeds . . . . .                | 13     | Wellington . . . . .     | 35     |
| Lennox and Addington . . . . . | 1      | Wentworth . . . . .      | 56     |
| Lincoln . . . . .              | 15     | York . . . . .           | 164    |
| Manitoulin . . . . .           | 18     | Total . . . . .          | 1,502  |
| Muskoka . . . . .              | 11     |                          |        |

### Wolf Bounty

At the 1946 session of the Ontario Legislature, The Wolf Bounty Act and The Wolf Bounty Amendment Act, 1941, were repealed, and The Wolf and Bear Bounty Act, 1946 was enacted.

This Act authorized the payment of \$25.00 as bounty on a timber or brush wolf three months of age or over and \$5.00 as bounty on a timber or brush wolf under the age of three months.

It will be noted from the following comparative table that more wolves were taken during this last fiscal year than in any year shown, and it is interesting to note the marked increase in the number of brush wolves taken. The total number of wolves taken is unusually large and may indicate that the natural peak in population has been reached, and will probably recede during the next few years.

| Period                              | Timber | Brush | Pups | Total | Bounty and Expenses |
|-------------------------------------|--------|-------|------|-------|---------------------|
| For year ending March 31, 1943..... | 935    | 497   | 32   | 1,464 | \$33,606.62         |
| For year ending March 31, 1944..... | 1,302  | 731   | 32   | 2,065 | 46,545.75           |
| For year ending March 31, 1945..... | 1,321  | 665   | 12   | 1,998 | 45,993.58           |
| For year ending March 31, 1946..... | 1,266  | 777   | 30   | 2,073 | 44,999.87           |
| For year ending March 31, 1947..... | 1,440  | 1,182 | 42   | 2,664 | 59,275.18           |

The following is a summary of the number of wolves taken in each of the Counties and Districts, on which bounty was claimed during the fiscal year ending March 31, 1947:—

#### COUNTIES

| County                    | Timber | Brush | Pups |
|---------------------------|--------|-------|------|
| Brant.....                | ..     | ..    | ..   |
| Bruce.....                | 4      | 31    | ..   |
| Carleton.....             | 2      | 12    | ..   |
| Durham.....               | ..     | 6     | ..   |
| Elgin.....                | 1      | 8     | ..   |
| Essex.....                | ..     | 4     | ..   |
| Frontenac.....            | 5      | 13    | ..   |
| Grenville.....            | 1      | 9     | ..   |
| Grey.....                 | ..     | 1     | ..   |
| Haldimand.....            | ..     | 1     | ..   |
| Hastings.....             | 8      | 55    | ..   |
| Huron.....                | 1      | 2     | ..   |
| Kent.....                 | ..     | 4     | 13   |
| Lambton.....              | ..     | 1     | ..   |
| Lanark.....               | 7      | 43    | ..   |
| Leeds.....                | ..     | 10    | ..   |
| Lennox and Addington..... | 1      | 7     | ..   |
| Middlesex.....            | 1      | 1     | ..   |
| Norfolk.....              | ..     | 5     | ..   |
| Northumberland.....       | ..     | 4     | ..   |
| Ontario.....              | 2      | 28    | ..   |
| Perth.....                | ..     | 1     | ..   |
| Peterborough.....         | 4      | 12    | ..   |
| Renfrew.....              | 32     | 29    | ..   |
| Simcoe.....               | ..     | 28    | 8    |
| Victoria.....             | 1      | 35    | ..   |
| Welland.....              | ..     | 1     | 5    |
| Wellington.....           | ..     | ..    | ..   |
| York.....                 | ..     | 15    | ..   |
| Total.....                | 70     | 366   | 26   |

## DISTRICTS

| District              | Timber | Brush | Pups |
|-----------------------|--------|-------|------|
| Algoma . . . . .      | 55     | 99    | ..   |
| Cochrane . . . . .    | 26     | 4     | ..   |
| Haliburton . . . . .  | 14     | 2     | ..   |
| Kenora . . . . .      | 414    | 129   | ..   |
| Manitoulin . . . . .  | 27     | 141   | ..   |
| Muskoka . . . . .     | 5      | 26    | ..   |
| Nipissing . . . . .   | 108    | 27    | ..   |
| Parry Sound . . . . . | 51     | 54    | ..   |
| Patricia . . . . .    | 104    | 11    | ..   |
| Rainy River . . . . . | 207    | 100   | 7    |
| Sudbury . . . . .     | 96     | 93    | ..   |
| Timiskaming . . . . . | 24     | 11    | ..   |
| Thunder Bay . . . . . | 239    | 119   | 9    |
| Total . . . . .       | 1,370  | 816   | 16   |

A total of 1,812 applications for bounty on 2,622 wolves and 42 pups were submitted. However, bounty was allowed on 2,609 wolves and 38 pups with 13 applications concerning 13 wolves and 4 pups being refused for various reasons.

#### *Bear Bounty*

The Order-in-Council dated August 19th, 1942, which authorized the payment of Bear Bounty was superceded by the enactment of The Wolf and Bear Bounty Act, 1946.

The conditions on which bounty is paid under this Act however, are essentially the same. A \$10.00 bounty is paid on any bear 12 months of age or over and \$5.00 on any bear under 12 months of age, which has been killed between April 15th and November 30th in Townships located in certain Counties and Districts and of which 25% of the total area is devoted to agriculture. The Act further specifies that the bear must be killed in defence or preservation of live stock or property, by a bona fide resident of the Township.

The following table indicates the number of bears and cubs killed in each of the Counties and Districts on which applications for bounty have been received during the fiscal year ending March 31, 1947. Some 816 applications on 959 bears and 73 cubs were submitted. Of these, bounty was paid on 937 bears and 73 cubs and 13 claims concerning 22 bear were refused.

| County or District        | Bear<br>(12 months or over) | Cubs<br>(under 12 months) |
|---------------------------|-----------------------------|---------------------------|
| Algoma.....               | 40                          | 1                         |
| Brant.....                | ..                          | ..                        |
| Bruce.....                | 12                          | ..                        |
| Carleton.....             | ..                          | ..                        |
| Cochrane.....             | 101                         | 7                         |
| Dufferin.....             | ..                          | ..                        |
| Dundas.....               | ..                          | ..                        |
| Durham.....               | ..                          | ..                        |
| Elgin.....                | ..                          | ..                        |
| Essex.....                | ..                          | ..                        |
| Frontenac.....            | 7                           | 1                         |
| Glengarry.....            | ..                          | ..                        |
| Grenville.....            | ..                          | ..                        |
| Grey.....                 | ..                          | ..                        |
| Haldimand.....            | ..                          | ..                        |
| Haliburton.....           | 30                          | 6                         |
| Halton.....               | ..                          | ..                        |
| Hastings.....             | 51                          | 7                         |
| Huron.....                | ..                          | ..                        |
| Kenora.....               | 34                          | ..                        |
| Kent.....                 | ..                          | ..                        |
| Lambton.....              | ..                          | ..                        |
| Lanark.....               | ..                          | ..                        |
| Leeds.....                | ..                          | ..                        |
| Lennox and Addington..... | 12                          | 1                         |
| Lincoln.....              | ..                          | ..                        |
| Manitoulin.....           | 5                           | ..                        |
| Middlesex.....            | ..                          | ..                        |
| Muskoka.....              | 13                          | ..                        |
| Nipissing.....            | 48                          | ..                        |
| Northumberland.....       | ..                          | ..                        |
| Ontario.....              | ..                          | ..                        |
| Oxford.....               | ..                          | ..                        |
| Norfolk.....              | ..                          | ..                        |
| Parry Sound.....          | 81                          | 2                         |
| Patricia.....             | ..                          | ..                        |
| Peel.....                 | ..                          | ..                        |
| Perth.....                | ..                          | ..                        |
| Peterboro.....            | 5                           | ..                        |
| Prescott.....             | ..                          | ..                        |
| Prince Edward.....        | ..                          | ..                        |
| Rainy River.....          | 101                         | 12                        |
| Renfrew.....              | 47                          | 4                         |
| Russell.....              | ..                          | ..                        |
| Simcoe.....               | ..                          | ..                        |
| Stormont.....             | ..                          | ..                        |
| Sudbury.....              | 84                          | ..                        |
| Timiskaming.....          | 165                         | 17                        |
| Thunder Bay.....          | 121                         | 14                        |
| Victoria.....             | 2                           | ..                        |
| Waterloo.....             | ..                          | ..                        |
| Welland.....              | ..                          | ..                        |
| Wellington.....           | ..                          | ..                        |
| Wentworth.....            | ..                          | ..                        |
| York.....                 | ..                          | ..                        |
| Total.....                | 959                         | 73                        |

### GAME FISH

During the fiscal year ending March 31, 1947, twenty-seven Hatcheries and Rearing Stations were operated successfully. No new plants or additions were established during the course of the year.

For the culture of game fish, the development of rearing stations or a combination of hatcheries and rearing stations instead of a hatchery only, is in keeping with the progressive developments in this field. A hatchery may be defined as a building in which is housed all the necessary equipment for hatching and rearing of fish to the fry or advanced fingerling stages. A rearing station is an extension of this arrangement, that is, large tanks, raceways or ponds being provided for accommodating fish from the fingerling to yearling or adult stages.

Of the twenty-seven stations, eleven are provided with hatcheries only, three with a combination of hatcheries and ponds, eight with a combination of hatcheries, raceways and ponds. Speckled trout are cultured at fourteen stations, rainbow trout at two, brown trout at six, Kamloops trout at one, lake trout at ten, largemouth bass at one, smallmouth bass at seven, maskinonge at one, perch at one, yellow pickerel at eleven, whitefish at nine, herring at two and minnows at one.

There are facilities at three rearing stations for retaining a selective stock of adult speckled trout for breeding purposes. These are maintained at Dorion, Sault Ste. Marie and Hills Lake Hatcheries. A breeding stock of brown, rainbow and Kamloops trout are provided for at one other station, namely, Normandale.

Practically all the speckled trout, brown trout and Kamloops trout distributed to suitable and publicly fished waters are yearlings or older fish. Black bass, maskinonge, rainbow trout and lake trout are, generally speaking, distributed in the fry or fingerling stages. The raising of lake trout to the yearling stage has been developed successfully at certain stations and when additional pond space is available, expansion of the culture of lake trout in this direction may be undertaken. Whitefish, herring, perch, yellow pickerel and blue pickerel are all distributed in the fry stage.

### THE CULTURE AND DISTRIBUTION OF FISH

Fish culture may be defined as any procedure for increasing the stock of fish. One of the procedures used extensively in Ontario is the planting of hatchery raised fish. In the majority of cases, this procedure is a supplement and not a substitute for nature's means of replenishment.

A detailed account of the fish distribution from our twenty-seven stations by county or district, species, age class and numbers planted is given in appendices one to five inclusive. In the following paragraphs, comparison of the year's distribution with that of the previous year, and other pertinent data are given. The total output of all species for the year was practically the same as in 1945.

#### *Speckled Trout*

As in previous years, the objective was the distribution of 3,000,000 speckled trout yearlings, but the figures were somewhat lower, namely, 2,760,780. Due to congestion at two or three of our stations it was necessary to plant about 85,000 fingerlings. As our stock of breeders was quite good, we were able to

make a distribution of double that of the previous year. The plantings of this species by age group is as follows:

|           |             |
|-----------|-------------|
| 50,000    | fry         |
| 84,730    | fingerlings |
| 2,760,780 | yearlings   |
| 8,656     | adults      |

#### *Brown Trout*

The plantings of brown trout yearlings were good, with a total of 268,940 being distributed. This was an increase of 20% over the previous year's distribution. In addition, we had a surplus of fingerlings which we could not hold for another year, and these made a distribution of 133,025. Taken together, the figures for this distribution were excellent, considering the number of ponds which we have available for the raising of brown trout.

#### *Rainbow Trout*

(a) *Steelhead*. It is only in the larger rivers and lakes that rainbow trout are normally found except in their immature stage. A river such as the Nottawasaga is a good example in which rainbows remain throughout the year. They survive chiefly in the larger lakes such as Lake Simcoe and the Great Lakes. Distribution this year was mainly confined to the larger rivers flowing into the Georgian Bay.

(b) *Kamloops*. This species was introduced to a number of carefully selected lakes in Ontario, and the Kamloops in these lakes are showing excellent results during the last few years. Up to now, the practice has been to distribute this species in the yearling stage, but this year there was a distribution of 4,850 as adults, which was an excellent contribution to the culture of this species in Ontario.

#### *Lake Trout*

For the last several years there has been a decline in the production in the spawn collection of this species. Steps are now being taken by the Department to ascertain the fact responsible for the decline, with a view to providing a remedy. The distribution in 1946 shows a sharp drop over that recorded in 1945. As stated above, this is wholly due to the fact that our hatcheries are not getting the spawn in such large numbers as previously. The distribution of 28,045 yearlings was a considerable decline over the previous year as the hatcheries were not able to retain as many fingerlings from the previous year as had been done formerly.

#### *Whitefish*

The spawn collection of this species was considerably down from the previous year. This gives the reason for the slight decline in the plantings, as shown in the tables.

#### *Herring*

In comparison with the last few years, the distribution of herring was really excellent. There was a total planting of 69,674,000. This large increase was wholly due to a very good run of herring in the spawning season, together with a week of good weather, when our spawn takers can work at their best.

#### *Yellow Pickerel*

There was a planting of 142,385,000 fry this year which was a decline of about 20% from the previous year. The drop in the distribution was accounted for solely from the fact that the fish could not be captured in large enough quantities during the spawning season. The chief spawn taking areas where

decrease in spawn occurred were Hay Bay in the Bay of Quinte, Echo Lake in Algoma, Whitefish Falls in the North Channel. All our other spawning grounds were as good or even better than in previous years

#### *Small-mouth Bass*

The number of bass fry planted was approximately 14% less than planted in the previous year. The production of fingerlings was also down, but only 10% from last year.

#### *Large-mouth Bass*

There was an increase of 90% in the output of this species over last year. This was very gratifying as there is only one small pond available for this work at our Mount Pleasant Hatchery. Instead of planting some of these fish as fry we were able to hold over our stock until they were good sized fingerlings.

#### *Perch*

The take of perch spawn in Lake Erie is subject to wide variation. This spawn is collected mainly from the region off Kingsville. This year we had a good spawn collection and we were able to make a 70% increase in our fry distribution. The total fry planted was 20,450,000.

#### *Maskinonge*

The plantings of this species were as follows:

|           |             |
|-----------|-------------|
| 1,150,000 | fry         |
| 6,875     | fingerlings |

There was a drop of 43% in the number of fry produced, but this was more than offset by the record production of fingerlings. The fingerling production was an all time record from our Deer Lake Hatchery. There is reason to believe that these figures will be sustained, or even increased, as greater facilities are being given the hatchery.

#### *Atlantic Salmon*

There was a distribution this year of more than double that made in the previous year. All the fish planted were fingerlings of good size. A more detailed report on Atlantic Salmon will be found under the heading "Biological Surveys".

### CLOSED WATERS

In addition to the waters already closed for the natural production and propagation of fish, the following were closed during the period April 1, 1946 to March 31, 1947.

*Adam Lake*, located in unorganized territory, north of Clay Lake and between Fluke Lake and Segise Lake, District of Kenora.

*The Bog*, Newboro Lake, located in township of South Crosby, County of Leeds.

*Deep Bay*, Sparrow Lake, township of Matchedash, County of Simcoe.

*Harvey or Nogies Creek* (Part), located on lot 10, Con. 2, Township of Galway, and lot 28, Con. 17, township of Harvey, County of Peterboro.

*Long Lake*, located in the township of Lansdowne, County of Leeds.

*Landons Bay*, located on the St. Lawrence River, township of Lansdowne, County of Leeds.

*Maskinonge Creek* flowing from Maskinonge Lake to Little Vermillion Lake; Maskinonge Lake (Part); Little Vermillion Lake (Part) located in the township of Pickerel, District of Kenora.

*Moose Lake* located in unorganized territory west of the Township of Smellie, District of Kenora.

#### BIOLOGICAL SURVEYS

The Game Fish Section expanded their work, especially in respect of biological surveys. Surveys were conducted on a great many lakes and streams to obtain data basic to the fish management plan. This included four lakes in Frontenac County, one in each of Lennox and Addington and Hastings Counties, three in Nipissing District, five in Parry Sound District and several minor waters.

A project was undertaken to assess the value of planting streams in Bruce County with hatchery raised speckled trout. The trout were planted as yearlings in parts of the Sydenham River, Eugenia Hydro Pond and Williams Lake, and were marked by removal of the adipose fin. A careful check on all of the fish taken from these waters is being obtained by means of the creel census. The experiment is being continued.

An experiment begun in 1945, was continued at Round Lake, Renfrew County, to determine the effect of removal of coarse fish in quantity, from a lake. The lake was heavily fished by means of trap and hoop nets, the coarse fish removed and the game fish returned to the lake. This experiment is continuing.

Creel census surveys and assessment of waters was continued in Sibley Provincial Park.

Preliminary investigations were begun to obtain information concerning the life history and possible means of control of the Sea Lamprey. Deterioration of the lake trout fishery of the Great Lakes, particularly in Lake Huron and Georgian Bay, is attributed to the abundance of this fish parasite. This most important work was begun in the waters of Lake Huron adjacent to Bruce County, and is continuing.

An extensive survey of lakes in which Kamloops Trout have been introduced was undertaken. These waters included Lake Bernard and Poole Lake, Parry Sound District, Echo Lake, Rill Lake, Clear Lake, Red Chalk Lake, Lake Waseosa, Round Lake and Deep Lake, Muskoka District and Lake Timagami, Nipissing District. Assessment of fishing for this excellent game fish was made. With the exception of Lake Timagami, the Kamloops trout appears to have become well established in all of the lakes noted and is providing fair to good fishing.

The Atlantic Salmon experiment, which was begun in 1944 in Duffin's Creek, Ontario County, was continued. The experiment is being conducted for two reasons. First, an effort is being made to establish the Atlantic Salmon in Lake Ontario and its tributary streams, where it was formerly abundant, and second, an effort is being made to secure an appraisal of the efficiency of restocking streams with hatchery raised fish. As this is a long term investigation, it is too early to draw conclusions, though it may be stated that some of the fish that were planted in 1944 have been recaptured, and are showing satisfactory growth. Generally speaking, the results are encouraging.

Coarse fish removal was undertaken and results shown as follows:

Removal of Burbot (Ling) from Bobs Lake in 1947.

Location, Frontenac and Leeds County, township of North Crosby.

|                          |                    |                    |
|--------------------------|--------------------|--------------------|
| Area . . . . .           | 12 sq. miles       |                    |
| Nets . . . . .           | Hoop Type          |                    |
| Number of Nets . . . . . | 7                  |                    |
| Dec. 30 . . . . .        | 311 fish . . . . . | .6 nets            |
| Jan. 1 . . . . .         | 271 " . . . . .    | .6 "               |
| " 3 . . . . .            | 256 " . . . . .    | .6 "               |
| " 5 . . . . .            | 260 " . . . . .    | .6 "               |
| " 7 . . . . .            | 217 " . . . . .    | .6 "               |
| " 9 . . . . .            | 184 " . . . . .    | .6 "               |
| " 11 . . . . .           | 183 " . . . . .    | .6 "               |
| " 13 . . . . .           | 198 " . . . . .    | .6 "               |
| " 15 . . . . .           | 169 " . . . . .    | .6 "               |
| " 17 . . . . .           | 143 " . . . . .    | .6 "               |
| " 19 . . . . .           | 109 " . . . . .    | .6 "               |
| " 22 . . . . .           | 50 " . . . . .     | .6 "               |
| " 26 . . . . .           | 24 " . . . . .     | .6 "               |
| " 28 . . . . .           | 24 " . . . . .     | .6 "               |
| " 30 . . . . .           | 19 " . . . . .     | .6 "               |
| " 31 . . . . .           | 33 " . . . . .     | .7 "               |
| Jan. 16 . . . . .        | 40 " . . . . .     | .1 "               |
| " 18 . . . . .           | 46 " . . . . .     | .1 "               |
| " 25 . . . . .           | 10 " . . . . .     | .1 "               |
| " 27 . . . . .           | 33 " . . . . .     | .1 "               |
| —                        | —                  | —                  |
| 20 days                  | 2,589 fish         | Total of 101 lifts |

Removal of Burbot (Ling) from Long Lake in 1947.

Location—Frontenac and Leeds County, townships of Olden and Hinchinbrooke.

|                          |                   |         |
|--------------------------|-------------------|---------|
| Area . . . . .           | 2 sq. miles       |         |
| Nets . . . . .           | Hoop Type         |         |
| Number of Nets . . . . . | 1                 |         |
| Jan. 2 . . . . .         | 38 fish . . . . . | .1 net  |
| " 4 . . . . .            | 26 " . . . . .    | .1 "    |
| " 9 . . . . .            | 21 " . . . . .    | .1 "    |
| " 15 . . . . .           | 14 " . . . . .    | .1 "    |
| " 20 . . . . .           | 6 " . . . . .     | .1 "    |
| " 24 . . . . .           | 2 " . . . . .     | .1 "    |
| —                        | —                 | —       |
| 6 days                   | 107 fish          | 6 lifts |

Removal of Burbot (Ling) from Elbow Lake in 1947.

Location—Frontenac County, township of Hinchinbrooke.

|                          |                        |         |
|--------------------------|------------------------|---------|
| Area . . . . .           | $\frac{1}{2}$ sq. mile |         |
| Nets . . . . .           | Hoop Type              |         |
| Number of Nets . . . . . | 1                      |         |
| Jan. 2 . . . . .         | 43 fish . . . . .      | .1 net  |
| " 4 . . . . .            | 64 " . . . . .         | .1 "    |
| " 9 . . . . .            | 27 " . . . . .         | .1 "    |
| " 15 . . . . .           | 9 " . . . . .          | .1 "    |
| " 20 . . . . .           | 8 " . . . . .          | .1 "    |
| " 24 . . . . .           | 2 " . . . . .          | .1 "    |
| —                        | —                      | —       |
| 6 days                   | 153 fish               | 6 lifts |

Removal of Burbot (Ling) from Clear Lake in 1947.

Location—Parry Sound District, township of Perry.

| Nets         | Number of Nets | Hoop Type   | 2       |
|--------------|----------------|-------------|---------|
| Jan. 16..... | 3 fish.....    | 2 nets..... |         |
| " 19.....    | 6 ".....       | 2 "         |         |
| " 25.....    | 8 ".....       | 2 "         |         |
| " 30.....    | 9 ".....       | 2 "         |         |
| Feb. 2.....  | 3 ".....       | 2 "         |         |
| <hr/> 5 days |                | 29 fish     | 5 lifts |

#### APPENDIX No. 1

#### SUMMARY OF FISH DISTRIBUTION For fiscal year April 1, 1946 to March 31, 1947

|                       |             |
|-----------------------|-------------|
| Whitefish.....        | 205,590,000 |
| Herring.....          | 69,674,000  |
| Lake Trout.....       | 5,902,240   |
| Pickerel.....         | 142,385,000 |
| Perch.....            | 20,450,000  |
| Maskinonge.....       | 1,156,875   |
| Atlantic Salmon.....  | 88,210      |
| Brown Trout.....      | 401,965     |
| Kamloops Trout.....   | 4,850       |
| Rainbow Trout.....    | 1,610       |
| Speckled Trout.....   | 2,904,166   |
| Small-mouth Bass..... | 702,128     |
| Large-mouth Bass..... | 9,527       |
| <hr/> Total.....      | 449,270,571 |

#### APPENDIX No. 2

#### DISTRIBUTION OF FISH BY SPECIES AND HATCHERIES

April 1, 1946 to March 31, 1947

#### BROWN TROUT

| Hatchery            | Fingerlings | Yearlings |
|---------------------|-------------|-----------|
| Chatsworth.....     | .....       | 34,790    |
| Codrington.....     | .....       | 1,000     |
| Glenora.....        | 133,025     | .....     |
| Ingersoll.....      | .....       | 71,000    |
| Mount Pleasant..... | .....       | 24,800    |
| Normandale.....     | .....       | 137,350   |
| <hr/> Totals.....   | 133,025     | 268,940   |

#### RAINBOW TROUT

| Hatchery        | Yearlings |
|-----------------|-----------|
| Normandale..... | 1,610     |

## KAMLOOPS TROUT

| Hatchery        | Adults |
|-----------------|--------|
| Chatsworth..... | 4,850  |

## LAKE TROUT

| Hatchery              | Fry       | Fingerlings | Yearlings |
|-----------------------|-----------|-------------|-----------|
| Chatsworth.....       | .....     | .....       | 12,775    |
| Dorion.....           | .....     | 6,400       | 6,135     |
| Fort Frances.....     | .....     | 169,795     | .....     |
| Glenora.....          | .....     | 5,000       | 9,135     |
| Hills Lake.....       | .....     | 85,500      | .....     |
| Kenora.....           | .....     | 1,855,000   | .....     |
| Port Arthur.....      | .....     | 461,500     | .....     |
| Sault Ste. Marie..... | .....     | 140,000     | .....     |
| Southampton.....      | 2,265,000 | 886,000     | .....     |
| Wiarton.....          | .....     | .....       | .....     |
| Totals.....           | 2,265,000 | 3,609,195   | 28,045    |

## PERCH

| Hatchery        | Fry        |
|-----------------|------------|
| Kingsville..... | 20,450,000 |

## MASKINONGE

| Hatchery       | Fry       | Fingerlings |
|----------------|-----------|-------------|
| Deer Lake..... | 1,150,000 | 6,875       |
| Total.....     | 1,150,000 | 6,875       |

## PICKEREL

| Hatchery              | Fry         |
|-----------------------|-------------|
| Collingwood.....      | 2,550,000   |
| Deer Lake.....        | 10,000,000  |
| Fort Frances.....     | 23,250,000  |
| Glenora.....          | 15,160,000  |
| Kenora.....           | 43,750,000  |
| Kingsville.....       | 150,000     |
| Little Current.....   | 18,850,000  |
| Pembroke.....         | 3,975,000   |
| Sarnia.....           | 2,200,000   |
| Sault Ste. Marie..... | 5,000,000   |
| Skeleton Lake.....    | 17,500,000  |
| Total.....            | 142,385,000 |

## SMALL-MOUTH BASS

| Hatchery                         | Fry     | Fingerlings | Yearlings and Adults |
|----------------------------------|---------|-------------|----------------------|
| Deer Lake.....                   | .....   | 35,000      | 200                  |
| Glenora.....                     | 15,000  | 150         | .....                |
| *Miscellaneous.....              | .....   | .....       | 3,149                |
| Mount Pleasant.....              | .....   | 29,550      | 100                  |
| Sandfield.....                   | .....   | 138,260     | 393                  |
| Skeleton Lake.....               | 315,000 | 35,600      | 389                  |
| White Lake.....                  | 55,000  | 74,150      | 187                  |
| Total.....                       | 385,000 | 312,710     | 4,418                |
| *Miscellaneous: Lake Placid..... | .....   | .....       | 143                  |
| Fox Lake.....                    | .....   | .....       | 1,112                |
| Shoe Pack Lake.....              | .....   | .....       | 1,539                |
| Cooks Lake.....                  | .....   | .....       | 355                  |
|                                  |         |             | 3,149                |

## LARGE-MOUTH BASS

| Hatchery            | Fingerlings | Adults |
|---------------------|-------------|--------|
| Mount Pleasant..... | 9,500       | 27     |
| Total.....          | 9,500       | 27     |

## ATLANTIC SALMON

| Hatchery        | Fingerlings | Yearlings |
|-----------------|-------------|-----------|
| Glenora.....    | 84,210      | .....     |
| Hills Lake..... | .....       | 4,000     |
| Total.....      | 84,210      | 4,000     |

## SPECKLED TROUT

| Hatchery              | Eggs   | Fingerlings | Yearlings | Adults |
|-----------------------|--------|-------------|-----------|--------|
| Chatsworth.....       | .....  | 20,000      | 172,910   | .....  |
| Codrington.....       | .....  | .....       | 43,770    | .....  |
| Deer Lake.....        | .....  | .....       | 33,600    | .....  |
| Dorion.....           | .....  | 42,600      | 261,400   | 3,385  |
| Hills Lake.....       | .....  | .....       | 298,650   | 715    |
| Midhurst.....         | .....  | .....       | 75,100    | .....  |
| Mount Pleasant.....   | .....  | .....       | 92,550    | .....  |
| North Bay.....        | .....  | .....       | 231,900   | .....  |
| Pembroke.....         | .....  | 22,130      | 139,600   | .....  |
| Sandfield.....        | .....  | .....       | 507,700   | .....  |
| Sault Ste. Marie..... | 50,000 | .....       | 504,600   | 4,556  |
| Skeleton Lake.....    | .....  | .....       | 231,000   | .....  |
| White Lake.....       | .....  | .....       | 168,000   | .....  |
| Totals.....           | 50,000 | 84,730      | 2,760,780 | 8,656  |

## WHITEFISH

| Hatchery              | Fry         |
|-----------------------|-------------|
| Collingwood.....      | 39,240,000  |
| Fort Frances.....     | 27,215,000  |
| Kenora.....           | 37,125,000  |
| Kingsville.....       | 52,300,000  |
| Little Current.....   | 26,000,000  |
| Normandale.....       | 8,000,000   |
| Port Arthur.....      | 590,000     |
| Sarnia.....           | 15,030,000  |
| Sault Ste. Marie..... | 90,000      |
| Total.....            | 205,590,000 |

## HERRING

| Hatchery        | Fry        |
|-----------------|------------|
| Normandale..... | 68,750,000 |
| Sarnia.....     | 924,000    |
| Total.....      | 69,674,000 |

## APPENDIX No. 3

## DISTRIBUTION OF FISH ACCORDING TO COUNTIES

April 1, 1946 to March 31, 1947

## MASKINONGE

| County              | Fry       | Fingerlings |
|---------------------|-----------|-------------|
| Durham.....         | 10,000    | .....       |
| Grenville.....      | 10,000    | .....       |
| Hastings.....       | 95,000    | .....       |
| Leeds.....          | 10,000    | .....       |
| Muskoka.....        | 45,000    | .....       |
| Nipissing.....      | 50,000    | .....       |
| Northumberland..... | 105,000   | 200         |
| Ontario.....        | 30,000    | .....       |
| Peterborough.....   | 565,000   | 3,875       |
| Prince Edward.....  | .....     | 400         |
| Simcoe.....         | .....     | 300         |
| Stormont.....       | 10,000    | .....       |
| Sudbury.....        | 30,000    | .....       |
| Victoria.....       | 200,000   | 1,100       |
| Total.....          | 1,150,000 | 6,875       |

## KAMLOOPS TROUT

| County           | Adults |
|------------------|--------|
| Muskoka.....     | 3,600  |
| Parry Sound..... | 1,250  |
| Total.....       | 4,850  |

## RAINBOW TROUT

| County        | Yearlings |
|---------------|-----------|
| Elgin.....    | 1,200     |
| Dufferin..... | 410       |
| Total.....    | 1,610     |

## PERCH

| Great Lakes        | Fry        |
|--------------------|------------|
| Mitchells Bay..... | 1,000,000  |
| Lake Erie.....     | 19,450,000 |
|                    | 20,450,000 |

## ATLANTIC SALMON

| County         | Fingerlings | Yearlings |
|----------------|-------------|-----------|
| Nipissing..... | .....       | 3,500     |
| Sudbury.....   | .....       | 500       |
| Ontario.....   | 84,210      | .....     |
| Total.....     | 84,210      | 4,000     |

## PICKEREL

| County                   | Fry        |
|--------------------------|------------|
| Algoma . . . . .         | 4,150,000  |
| Bruce . . . . .          | 715,000    |
| Carleton . . . . .       | 400,000    |
| Frontenac . . . . .      | 8,600,000  |
| Grenville . . . . .      | 300,000    |
| Haliburton . . . . .     | 1,300,000  |
| Hastings . . . . .       | 2,400,000  |
| Kenora . . . . .         | 9,750,000  |
| Kent . . . . .           | 300,000    |
| Lambton . . . . .        | 250,000    |
| Lanark . . . . .         | 900,000    |
| Leeds . . . . .          | 1,000,000  |
| Lennox . . . . .         | 1,550,000  |
| Manitoulin . . . . .     | 2,350,000  |
| Middlesex . . . . .      | 400,000    |
| Muskoka . . . . .        | 3,035,000  |
| Nipissing . . . . .      | 10,300,000 |
| Northumberland . . . . . | 2,150,000  |
| Ontario . . . . .        | 375,000    |
| Oxford . . . . .         | 200,000    |
| Parry Sound . . . . .    | 10,200,000 |
| Peterborough . . . . .   | 4,300,000  |
| Prince Edward . . . . .  | 960,000    |
| Rainy River . . . . .    | 17,250,000 |
| Renfrew . . . . .        | 2,975,000  |
| Simcoe . . . . .         | 525,000    |
| Stormont . . . . .       | 500,000    |
| Sudbury . . . . .        | 8,100,000  |
| Thunder Bay . . . . .    | 2,000,000  |
| Victoria . . . . .       | 1,700,000  |
| York . . . . .           | 100,000    |

## Great Lakes

|                             |             |
|-----------------------------|-------------|
| Lake Erie . . . . .         | 150,000     |
| Georgian Bay . . . . .      | 500,000     |
| Lake Huron . . . . .        | 1,050,000   |
| North Channel . . . . .     | 3,200,000   |
| Lake Superior . . . . .     | 450,000     |
| Lake-of-the-Woods . . . . . | 38,000,000  |
| Total . . . . .             | 142,385,000 |

## SPECKLED TROUT

| County                     | Eggs   | Fingerlings | Yearlings | Adults |
|----------------------------|--------|-------------|-----------|--------|
| Algoma . . . . .           | 3,000  | 529,000     | 4,556     |        |
| Bruce . . . . .            |        | 17,200      |           |        |
| Cochrane . . . . .         |        | 138,500     |           |        |
| Dufferin . . . . .         |        | 16,900      |           |        |
| Durham . . . . .           |        | 15,150      |           |        |
| Elgin . . . . .            |        | 9,300       |           |        |
| Frontenac . . . . .        |        | 49,500      |           |        |
| Grey . . . . .             | 20,000 | 116,950     |           |        |
| Haliburton . . . . .       |        | 44,200      |           |        |
| Halton . . . . .           |        | 4,200       |           |        |
| Hastings . . . . .         |        | 118,550     |           |        |
| Huron . . . . .            |        | 10,750      |           |        |
| Kenora . . . . .           | 5,000  | 9,200       |           |        |
| Lanark . . . . .           |        | 2,400       |           |        |
| Lennox-Addington . . . . . |        | 38,300      |           |        |
| Manitoulin . . . . .       |        | 121,500     |           |        |
| Middlesex . . . . .        |        | 6,000       |           |        |
| Muskoka . . . . .          |        | 115,350     |           |        |
| Nipissing . . . . .        | 19,130 | 149,350     |           |        |
| Norfolk . . . . .          |        | 30,900      |           |        |
| Northumberland . . . . .   |        | 23,350      |           |        |
| Ontario . . . . .          |        | 2,050       |           |        |
| Oxford . . . . .           |        | 6,985       |           |        |
| Parry Sound . . . . .      |        | 211,400     |           |        |
| Peel . . . . .             | 50,000 | 14,400      |           |        |
| Perth . . . . .            |        | 600         |           |        |
| Peterborough . . . . .     |        | 12,900      |           |        |
| Rainy River . . . . .      |        | 2,000       |           |        |
| Renfrew . . . . .          | 3,000  | 85,600      |           |        |
| Simcoe . . . . .           |        | 34,100      |           |        |
| Sudbury . . . . .          |        | 390,600     |           |        |
| Thunder Bay . . . . .      | 34,600 | 228,300     | 3,385     |        |
| Timiskaming . . . . .      |        | 143,200     | 715       |        |
| Victoria . . . . .         |        | 8,650       |           |        |
| Waterloo . . . . .         |        | 12,600      |           |        |
| Wellington . . . . .       |        | 33,850      |           |        |
| Wentworth . . . . .        |        | 3,600       |           |        |
| York . . . . .             |        | 3,395       |           |        |
| Totals . . . . .           | 50,000 | 143,386     | 2,760,780 | 8,656  |

## WHITEFISH

| Great Lakes            | Fry         |
|------------------------|-------------|
| Lake Erie.....         | 60,300,000  |
| Georgian Bay.....      | 42,240,000  |
| Lake Huron.....        | 24,030,000  |
| Lake of the Woods..... | 31,625,000  |
| North Channel.....     | 14,000,000  |
| Lake Superior.....     | 1,680,000   |
| Kenora.....            | 4,000,000   |
| Rainy River.....       | 27,215,000  |
| Thunder Bay.....       | 1,500,000   |
| Total.....             | 205,900,000 |

## HERRING

| Great Lakes     | Fry        |
|-----------------|------------|
| Lake Huron..... | 924,000    |
| Lake Erie.....  | 68,750,000 |
| Total.....      | 69,674,000 |

## SMALL-MOUTH BASS

| County                    | Fry     | Fingerlings | Adults |
|---------------------------|---------|-------------|--------|
| Algoma.....               | .....   | 40,750      | .....  |
| Brant.....                | .....   | .....       | 100    |
| Bruce.....                | .....   | 7,000       | .....  |
| Elgin.....                | .....   | 1,000       | .....  |
| Frontenac.....            | 55,000  | 40,800      | 1,726  |
| Grey.....                 | .....   | 1,500       | .....  |
| Haliburton.....           | .....   | 1,800       | 143    |
| Hastings.....             | .....   | 5,800       | 90     |
| Huron.....                | .....   | 2,250       | .....  |
| Kenora.....               | .....   | .....       | 1,112  |
| Lambton.....              | .....   | 1,000       | .....  |
| Lanark.....               | .....   | 19,000      | .....  |
| Leeds.....                | .....   | 4,250       | .....  |
| Lennox and Addington..... | .....   | 5,100       | .....  |
| Manitoulin.....           | .....   | 19,500      | 393    |
| Middlesex.....            | .....   | 2,000       | .....  |
| Muskoka.....              | 165,000 | 1,500       | .....  |
| Nipissing.....            | 70,000  | 28,500      | .....  |
| Norfolk.....              | .....   | 1,000       | .....  |
| Northumberland.....       | .....   | 2,000       | .....  |
| Ontario.....              | 5,000   | 2,650       | .....  |
| Parry Sound.....          | 75,000  | 35,600      | 389    |
| Peel.....                 | .....   | 1,000       | .....  |
| Perth.....                | .....   | 650         | .....  |
| Peterborough.....         | .....   | 18,200      | 110    |
| Prince Edward.....        | 15,000  | 50          | .....  |
| Renfrew.....              | .....   | 2,500       | .....  |
| Simcoe.....               | .....   | 6,500       | .....  |
| Sudbury.....              | .....   | 49,510      | .....  |
| Thunder Bay.....          | .....   | .....       | 355    |
| Victoria.....             | .....   | 8,800       | .....  |
| Waterloo.....             | .....   | 1,500       | .....  |
| Wellington.....           | .....   | 1,000       | .....  |
| Totals.....               | 385,000 | 312,710     | 4,418  |

## LARGE-MOUTH BASS

| County        | Fingerlings | Adults |
|---------------|-------------|--------|
| Brant.....    | .....       | 27     |
| Simcoe.....   | 2,000       | ..     |
| Victoria..... | 6,500       | ..     |
| Waterloo..... | 1,000       | ..     |
| Totals.....   | 9,500       | 27     |

## BROWN TROUT

| County                | Fingerlings | Yearlings |
|-----------------------|-------------|-----------|
| Brant.....            | .....       | 10,400    |
| Bruce.....            | .....       | 12,890    |
| Carleton.....         | 5,000       | .....     |
| Dufferin.....         | .....       | 9,000     |
| Durham.....           | 29,000      | 1,000     |
| Elgin.....            | .....       | 2,400     |
| Grey.....             | .....       | 16,800    |
| Haldimand.....        | .....       | 3,600     |
| Haliburton.....       | 10,000      | .....     |
| Halton.....           | .....       | 21,400    |
| Hastings.....         | 11,000      | .....     |
| Huron.....            | .....       | 7,500     |
| Lennox-Addington..... | 5,000       | .....     |
| Lincoln.....          | .....       | 2,400     |
| Middlesex.....        | .....       | 6,300     |
| Norfolk.....          | .....       | 44,600    |
| Northumberland.....   | 13,025      | .....     |
| Ontario.....          | 8,000       | .....     |
| Oxford.....           | .....       | 24,900    |
| Peel.....             | .....       | 34,000    |
| Perth.....            | .....       | 3,600     |
| Peterborough.....     | 42,000      | .....     |
| Renfrew.....          | 5,000       | .....     |
| Simcoe.....           | .....       | 7,800     |
| Victoria.....         | 5,000       | .....     |
| Waterloo.....         | .....       | 23,400    |
| Welland.....          | .....       | 7,800     |
| Wellington.....       | .....       | 17,600    |
| Wentworth.....        | .....       | 4,200     |
| York.....             | .....       | 7,350     |
| Totals.....           | 133,025     | 268,940   |

## LAKE TROUT

| County                 | Fry       | Fingerlings | Yearlings |
|------------------------|-----------|-------------|-----------|
| Algoma.....            | .....     | 95,500      | .....     |
| Bruce.....             | 5,000     | .....       | 4,225     |
| Cochrane.....          | .....     | 5,000       | 1,200     |
| Frontenac.....         | .....     | 50,150      | .....     |
| Haliburton.....        | .....     | 144,415     | .....     |
| Hastings.....          | .....     | 33,275      | .....     |
| Kenora.....            | .....     | 67,000      | .....     |
| Lanark.....            | .....     | 5,100       | .....     |
| Leeds.....             | .....     | 7,225       | .....     |
| Lennox-Addington.....  | .....     | 11,050      | .....     |
| Manitoulin.....        | .....     | 16,000      | .....     |
| Muskoka.....           | .....     | 140,000     | .....     |
| Nipissing.....         | .....     | 16,125      | 6,000     |
| Parry Sound.....       | .....     | 110,000     | .....     |
| Peterborough.....      | .....     | 36,550      | .....     |
| Rainy River.....       | .....     | 2,400       | .....     |
| Renfrew.....           | .....     | 18,000      | .....     |
| Simcoe.....            | .....     | 4,000       | .....     |
| Sudbury.....           | .....     | 46,000      | 800       |
| Thunder Bay.....       | .....     | 129,000     | 1,635     |
| Timiskaming.....       | .....     | .....       | 1,135     |
| Victoria.....          | .....     | 905         | .....     |
| York.....              | .....     | 25,000      | 8,550     |
| Great Lakes            |           |             |           |
| Georgian Bay.....      | 2,110,000 | 320,000     | .....     |
| Lake Huron.....        | 150,000   | 300,000     | .....     |
| North Channel.....     | .....     | 121,000     | .....     |
| Lake Superior.....     | .....     | 1,885,000   | 4,500     |
| Lake-of-the-Woods..... | .....     | 18,500      | .....     |
| Totals.....            | 2,265,000 | 3,609,195   | 28,045    |

APPENDIX No. 4  
FISH DISTRIBUTION BY HATCHERIES  
April 1, 1946 to March 31, 1947

| Hatchery              | Fry        | Fingerlings | Yearlings | Adults | Total      |
|-----------------------|------------|-------------|-----------|--------|------------|
| <b>CHATSWORTH</b>     |            |             |           |        |            |
| Speckled Trout.....   | .....      | 20,000      | 172,910   | .....  | 192,910    |
| Brown Trout.....      | .....      | .....       | 34,790    | .....  | 34,790     |
| Lake Trout.....       | .....      | .....       | 12,775    | .....  | 12,775     |
| Kamloops Trout.....   | .....      | .....       | .....     | 4,850  | 4,850      |
|                       |            |             |           |        | 245,325    |
| <b>CODRINGTON</b>     |            |             |           |        |            |
| Speckled Trout.....   | .....      | .....       | 43,770    | .....  | 43,770     |
| Brown Trout.....      | .....      | .....       | 1,000     | .....  | 1,000      |
|                       |            |             |           |        | 44,770     |
| <b>COLLINGWOOD</b>    |            |             |           |        |            |
| Whitefish.....        | 39,240,000 | .....       | .....     | .....  | 39,240,000 |
| Pickerel.....         | 2,550,000  | .....       | .....     | .....  | 2,550,000  |
|                       |            |             |           |        | 41,790,000 |
| <b>DEER LAKE</b>      |            |             |           |        |            |
| Speckled Trout.....   | .....      | .....       | 33,600    | .....  | 33,600     |
| Pickerel.....         | 10,000,000 | .....       | .....     | .....  | 10,000,000 |
| Maskinonge.....       | 1,150,000  | 6,875       | .....     | .....  | 1,156,875  |
| Bass—Small-mouth..... | .....      | 35,000      | .....     | 200    | 35,200     |
|                       |            |             |           |        | 11,220,675 |
| <b>DORION</b>         |            |             |           |        |            |
| Speckled Trout.....   | .....      | 42,600      | 261,400   | 3,385  | 307,385    |
| Lake Trout.....       | .....      | .....       | 6,135     | .....  | 6,135      |
|                       |            |             |           |        | 313,520    |
| <b>FORT FRANCES</b>   |            |             |           |        |            |
| Pickerel.....         | 23,250,000 | .....       | .....     | .....  | 23,250,000 |
| Whitefish.....        | 27,215,000 | .....       | .....     | .....  | 27,215,000 |
| Lake Trout.....       | .....      | 6,400       | .....     | .....  | 6,400      |
|                       |            |             |           |        | 50,471,400 |
| <b>GLENORA</b>        |            |             |           |        |            |
| Pickerel.....         | 15,160,000 | .....       | .....     | .....  | 15,160,000 |
| Lake Trout.....       | .....      | 169,795     | .....     | .....  | 169,795    |
| Brown Trout.....      | .....      | 133,025     | .....     | .....  | 133,025    |
| Bass—Small-mouth..... | 15,000     | 150         | .....     | .....  | 15,150     |
| Atlantic Salmon.....  | .....      | 84,210      | .....     | .....  | 84,210     |
|                       |            |             |           |        | 15,562,180 |
| <b>HILLS LAKE</b>     |            |             |           |        |            |
| Speckled Trout.....   | .....      | .....       | 298,650   | 715    | 299,365    |
| Lake Trout.....       | .....      | 5,000       | 9,135     | .....  | 14,135     |
| Atlantic Salmon.....  | .....      | .....       | 4,000     | .....  | 4,000      |
|                       |            |             |           |        | 317,500    |

APPENDIX No. 4  
FISH DISTRIBUTION BY HATCHERIES  
April 1, 1946 to March 31, 1947

| Hatchery              | Fry        | Fingerlings | Yearlings | Adults | Total      |
|-----------------------|------------|-------------|-----------|--------|------------|
| KENORA                |            |             |           |        |            |
| Whitefish.....        | 37,125,000 | .....       | .....     | .....  | 37,125,000 |
| Pickerel.....         | 43,750,000 | .....       | .....     | .....  | 43,750,000 |
| Lake Trout.....       | .....      | 85,500      | .....     | .....  | 85,500     |
|                       |            |             |           |        | 80,960,500 |
| KINGSVILLE            |            |             |           |        |            |
| Whitefish.....        | 52,300,000 | .....       | .....     | .....  | 52,300,000 |
| Perch.....            | 20,450,000 | .....       | .....     | .....  | 20,450,000 |
| Pickerel.....         | 150,000    | .....       | .....     | .....  | 150,000    |
|                       |            |             |           |        | 72,900,000 |
| LITTLE CURRENT        |            |             |           |        |            |
| Whitefish.....        | 26,000,000 | .....       | .....     | .....  | 26,000,000 |
| Perch.....            | 18,850,000 | .....       | .....     | .....  | 18,850,000 |
|                       |            |             |           |        | 44,850,000 |
| MIDHURST              |            |             |           |        |            |
| Speckled Trout.....   | .....      | .....       | 75,100    | .....  | 75,100     |
| MISCELLANEOUS         |            |             |           |        |            |
| Bass—Small-mouth..... | .....      | .....       | .....     | 3,149  | 3,149      |
| MOUNT PLEASANT        |            |             |           |        |            |
| Speckled Trout.....   | .....      | .....       | 92,550    | .....  | 92,550     |
| Brown Trout.....      | .....      | .....       | 95,800    | .....  | 95,800     |
| Bass—Small-mouth..... | .....      | 29,550      | .....     | 100    | 29,650     |
| Bass—Large-mouth..... | .....      | 9,500       | .....     | 27     | 9,527      |
|                       |            |             |           |        | 227,527    |
| NORMANDALE            |            |             |           |        |            |
| Whitefish.....        | 8,000,000  | .....       | .....     | .....  | 8,000,000  |
| Brown Trout.....      | .....      | .....       | 137,350   | .....  | 137,350    |
| Rainbow Trout.....    | .....      | .....       | 1,610     | .....  | 1,610      |
| Herring.....          | 68,750,000 | .....       | .....     | .....  | 68,750,000 |
|                       |            |             |           |        | 76,888,960 |
| NORTH BAY             |            |             |           |        |            |
| Speckled Trout.....   | .....      | .....       | 231,900   | .....  | 231,900    |
| PEMBROKE              |            |             |           |        |            |
| Speckled Trout.....   | .....      | 22,130      | 139,600   | .....  | 161,730    |
| Pickerel.....         | 3,975,000  | .....       | .....     | .....  | 3,975,000  |
|                       |            |             |           |        | 4,136,730  |
| PORT ARTHUR           |            |             |           |        |            |
| Whitefish.....        | 590,000    | .....       | .....     | .....  | 590,000    |
| Lake Trout.....       | .....      | 1,855,000   | .....     | .....  | 1,855,000  |
|                       |            |             |           |        | 2,445,000  |

APPENDIX No. 4  
 FISH DISTRIBUTION BY HATCHERIES  
 April 1, 1946 to March 31, 1947

| Hatchery                        | Fry        | Fingerlings | Yearlings | Adults | Total      |
|---------------------------------|------------|-------------|-----------|--------|------------|
| <b>SANDFIELD</b>                |            |             |           |        |            |
| Speckled Trout.....             | .....      | .....       | 507,700   | .....  | 507,700    |
| Bass—Small-mouth.....           | .....      | 138,260     | .....     | 393    | 138,653    |
|                                 |            |             |           |        | 646,353    |
| <b>SARNIA</b>                   |            |             |           |        |            |
| Whitefish.....                  | 15,030,000 | .....       | .....     | .....  | 15,030,000 |
| Herring.....                    | 924,000    | .....       | .....     | .....  | 924,000    |
| Pickerel.....                   | 2,200,000  | .....       | .....     | .....  | 2,200,000  |
|                                 |            |             |           |        | 18,154,000 |
| <b>SAULT STE. MARIE</b>         |            |             |           |        |            |
| Whitefish.....                  | 90,000     | .....       | .....     | .....  | 90,000     |
| Pickerel.....                   | 5,000,000  | .....       | .....     | .....  | 5,000,000  |
| Lake Trout.....                 | .....      | 461,500     | .....     | .....  | 461,500    |
|                                 |            |             |           |        | 5,551,500  |
| <b>SAULT TROUT REARING STN.</b> |            |             |           |        |            |
| Speckled Trout.....             | 50,000     | .....       | 504,600   | 4,556  | 559,156    |
| <b>SKELETON LAKE</b>            |            |             |           |        |            |
| Bass—Small-mouth.....           | 315,000    | 35,600      | .....     | 389    | 350,989    |
| Speckled Trout.....             | .....      | .....       | 231,000   | .....  | 231,000    |
| Pickerel.....                   | 17,500,000 | .....       | .....     | .....  | 17,500,000 |
|                                 |            |             |           |        | 18,081,989 |
| <b>SOUTHAMPTON</b>              |            |             |           |        |            |
| Lake Trout.....                 | .....      | 140,000     | .....     | .....  | 140,000    |
| <b>WHITE LAKE</b>               |            |             |           |        |            |
| Speckled Trout.....             | .....      | .....       | 168,000   | .....  | 168,000    |
| Bass—Small-mouth.....           | 55,000     | 74,150      | .....     | 187    | 129,337    |
|                                 |            |             |           |        | 297,337    |
| <b>WIARTON</b>                  |            |             |           |        |            |
| Lake Trout.....                 | 2,265,000  | 886,000     | .....     | .....  | 3,151,000  |

## APPENDIX NO. 5

A COMPARATIVE TABLE SHOWING THE FISH DISTRIBUTION  
ACCORDING TO SPECIES

| Species                   | 1942        | 1943        | 1944        | 1945        | 1946        |
|---------------------------|-------------|-------------|-------------|-------------|-------------|
| Bass—Large-mouth          |             |             |             |             |             |
| Fry.....                  | 185,000     | 507,500     | 130,000     | .....       | .....       |
| Fingerlings.....          | 19,100      | 38,500      | 14,600      | 5,000       | 9,500       |
| Yearlings and Adults..    | 290         | 290         | 51          | .....       | 27          |
| Bass—Small-mouth          |             |             |             |             |             |
| Fry.....                  | 1,585,500   | 1,512,000   | 2,030,000   | 448,000     | 385,000     |
| Fingerlings.....          | 718,259     | 392,700     | 664,400     | 348,368     | 312,710     |
| Yearlings and Adults..    | 2,355       | 1,369       | 2,834       | 5,322       | 4,418       |
| Maskinonge                |             |             |             |             |             |
| Fry.....                  | 1,575,000   | 1,165,000   | 2,705,000   | 2,030,000   | 1,150,000   |
| Fingerlings.....          | 705         | 2,150       | 2,952       | 200         | 6,875       |
| Perch—Fry.....            | 24,175,000  | 19,000,000  | 18,480,000  | 12,000,000  | 20,450,000  |
| Pickerel (Yellow) Fry.... | 301,760,000 | 263,875,000 | 271,265,000 | 177,595,000 | 142,385,000 |
| Pickerel (Blue) Fry.....  | .....       | 150,000     | .....       | .....       | .....       |
| Brown Trout               |             |             |             |             |             |
| Eggs and Fry.....         | .....       | 10,000      | .....       | 50,000      | .....       |
| Fingerlings.....          | 23,000      | 1,000       | .....       | .....       | 133,025     |
| Yearlings.....            | 359,275     | 303,335     | 330,750     | 224,749     | 268,940     |
| Lake Trout                |             |             |             |             |             |
| Eggs and Fry.....         | 767,000     | 325,000     | 3,176,500   | 765,000     | 2,265,000   |
| Fingerlings.....          | 15,429,600  | 8,048,800   | 3,475,995   | 7,248,040   | 3,609,195   |
| Yearlings.....            | 10,680      | 60,860      | 44,018      | 88,700      | 28,045      |
| Rainbow Trout             |             |             |             |             |             |
| Fingerlings.....          | 111,000     | 73,242      | 32,186      | 5,563       | .....       |
| Yearlings.....            | 12,900      | 15,450      | 3,900       | .....       | 1,610       |
| Kamloops Trout            |             |             |             |             |             |
| Yearlings.....            | 24,800      | 5,000       | 7,200       | 9,900       | .....       |
| Adults.....               | .....       | .....       | .....       | .....       | 4,850       |
| Speckled Trout            |             |             |             |             |             |
| Fry.....                  | 500         | 5,000       | .....       | 5,000       | 50,000      |
| Fingerlings.....          | 631,775     | 9,400       | 493,840     | 117,300     | 84,730      |
| Yearlings.....            | 2,918,513   | 3,083,983   | 2,876,963   | 3,005,573   | 2,760,780   |
| Adults.....               | 7,527       | 10,292      | 4,360       | 4,460       | 8,656       |
| Whitefish—Fry.....        | 395,052,000 | 371,677,500 | 259,435,000 | 240,786,775 | 205,590,000 |
| Herring—Fry.....          | 18,430,000  | 24,560,000  | 5,662,000   | 6,405,000   | 69,674,000  |
| Minnows.....              | 500         | .....       | 25,000      | 4,000       | .....       |
| Atlantic Salmon.....      | .....       | .....       | 30,000      | 41,350      | 88,210      |
| Totals.....               | 763,750,279 | 694,833,371 | 570,892,549 | 451,193,300 | 449,270,571 |

## COMMERCIAL FISHING

Insofar as the Commercial Fisheries Section of the Division of Fish and Wildlife is concerned, the fiscal year ending March 31, 1947, was largely devoted to reorganization, with a view to establishing more direct contact with the fishermen themselves and thereby increasing the service rendered to them, both individually and through their organizations. Particular attention was given to matters concerning legislation and toward the securing of an adequate statistical set-up to use as a basis for the development of a sound management policy.

The commercial fisheries maintained in our Northern Inland waters caught and marketed over 14 percent of the total catch for Ontario in 1946. Since most of this fishing is done in small inland lakes, it is obvious that commercial fishing operations, unrestricted as to size of catch, could quite easily result in depletion of certain species. With this in mind, a system of budgeting the catch of individual licences was instituted in the spring of 1947. Based on the previous production records the catch was limited for certain species. This ceiling on catch was placed on a level at which it was thought production could be maintained by leaving sufficient stock in the lake. This limit was set on a flexible basis and with a view to changing it from year to year, as conditions warranted. The possibility of the level being raised at a future date, is as great as that it will be lowered, or maintained at the level previously set.

At the time the Department of Game and Fisheries was taken over by the Department of Lands and Forests and formed into what is now known as the Division of Fish and Wildlife, it was decided to bring into being a new method of obtaining statistical data regarding the commercial fishing industry of the Province. This new system would thus enable the Department to have on hand a more detailed collection of data, which heretofore was not available.

Up to the present time the only information obtainable is the data submitted by each holder of a commercial fishing licence at the end of each year. These returns are totalled and made up into an Annual Report, as shown in the two appendices under the headings "Equipment" and "Quantities of Fish Taken". There is, however, no way of obtaining from this Annual Report under the heading "Quantities of Fish Taken" any information as to what month the fish were taken, or from what area or district of a lake the fish were taken. There is also no way of obtaining from this Annual Report, under both the "Equipment" and "Catch" heading, any information regarding the type of gear used to take any particular species, or the amount of gear used to take any particular species. This Annual Report, therefore, gives only the total catch by lake or area of each species of fish taken that year, which is of value in itself, but is not sufficient for a further statistical analysis.

It was felt, therefore, that in order to properly administer the commercial fisheries, it was essential to have statistical data on hand that would show an indication of the changes in the abundance of the commercial species. It was essential that this data must, therefore, include a record, not only of the quantities of fish taken, but also of the extent of the fishing operations that led to that catch or, in other words, the effort that was put forth to obtain that catch. The true condition of the fisheries, therefore, cannot be measured accurately by statistics of catch alone but should be expressed in terms of production in relation to fishing intensity, that is, "catch per unit of fishing effort".

With this in mind the Department created a new system by which all licensed fishermen were required to report their daily fishing activities. Under this system all commercial fishermen must submit at the end of each month a

STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO  
 For the year ending December 31, 1946  
 EQUIPMENT

| District             | No. of Men |      | Tugs  |          | Gasoline Launches |           | Sail and Row Boats |          | Gill Nets |           | Seine Nets |          | Pound Nets |          | Hoop Nets |          | Dip and Roll Nets |          | Night Lines |          | Spears |          | Freezers & Ice Houses |          | Piers and Wharves |          | Total Value |           |        |
|----------------------|------------|------|-------|----------|-------------------|-----------|--------------------|----------|-----------|-----------|------------|----------|------------|----------|-----------|----------|-------------------|----------|-------------|----------|--------|----------|-----------------------|----------|-------------------|----------|-------------|-----------|--------|
|                      | No.        | Tons | No.   | Value \$ | No.               | Value \$  | No.                | Value \$ | Yards     | Value \$  | No.        | Value \$ | No.        | Value \$ | No.       | Value \$ | No.               | Value \$ | No.         | Value \$ | No.    | Value \$ | No.                   | Value \$ | No.               | Value \$ |             |           |        |
| North, Inland Waters | 9,595      | 7    | 82    | 52,500   | 193               | 118,252   | 408                | 28,663   | 712,904   | 113,604   | ...        | ...      | 33         | 15,025   | 67        | 3,115    | ...               | 7,500    | 596         | ...      | 147    | 48,510   | 120                   | 20,930   | 401,195           |          |             |           |        |
| Lake Superior        | 451        | 14   | 478   | 94,400   | 136               | 131,585   | 91                 | 6,670    | 1,293,632 | 196,288   | ...        | ...      | 34         | 14,800   | ...       | ...      | ...               | ...      | 26          | 130      | 68     | 35,705   | 61                    | 17,285   | 496,863           |          |             |           |        |
| North Channel        | 64         | 2    | 19    | 6,300    | 27                | 19,450    | 29                 | 1,650    | 155,000   | 17,217    | ...        | ...      | 37         | 12,600   | ...       | ...      | ...               | ...      | 19          | 6,600    | 15     | 5,350    | 69,667                | ...      | ...               | ...      |             |           |        |
| Georgian Bay         | 379        | 14   | 349   | 108,425  | 132               | 141,295   | 99                 | 5,175    | 1,414,023 | 170,825   | 2          | 300      | 230        | 61       | 60,650    | 33       | 675               | ...      | 25,200      | 5,495    | 12     | 60       | 23,375                | 55       | 33,375            | 350,580  |             |           |        |
| Lake Huron           | 128        | 5    | 182   | 47,000   | 71                | 81,975    | 19                 | 1,109    | 711,382   | 89,901    | ...        | ...      | 82         | 61,400   | ...       | ...      | ...               | ...      | 1,800       | 200      | 20     | 100      | 44                    | 28,365   | 19                | 7,400    | 317,750     |           |        |
| Lake St. Clair       | 94         | ...  | ...   | ...      | 39                | 21,745    | 67                 | 5,055    | ...       | ...       | 21         | 5,300    | 3,455      | 140      | 21,350    | ...      | ...               | ...      | 5,700       | 412      | ...    | 16       | 11,150                | 11       | 2,345             | 65,492   |             |           |        |
| Lake Erie            | 1,215      | 65   | 1,298 | 560,300  | 207               | 560,896   | 130                | 14,050   | 3,734,750 | 573,257   | 36         | 9,325    | 9,270      | 687      | 401,280   | 18       | 3,080             | 1        | 10          | 3,400    | 262    | ...      | 133                   | 330,325  | 116               | 52,350   | 2,505,280   |           |        |
| Lake Ontario         | 646        | ...  | ...   | ...      | 240               | 140,620   | 174                | 12,280   | 1,066,518 | 122,212   | 11         | 1,140    | 1,350      | 5        | 3,000     | 794      | 25,750            | 10       | 3,245       | 2,700    | 139    | 12       | 60                    | 31       | 7,375             | 36       | 8,505       | 324,536   |        |
| South, Inland Waters | 248        | ...  | ...   | ...      | 19                | 4,360     | 124                | 5,655    | 2,000     | 200       | 51         | 4,385    | 5,883      | ...      | ...       | ...      | ...               | 376      | 14,765      | 24       | 131    | 1,800    | 79                    | ...      | 7                 | 1,040    | 4           | 300       | 32,415 |
| Totals               | 4,244      | 107  | 2,388 | 870,625  | 1,064             | 1,220,178 | 1,141              | 80,307   | 9,090,199 | 1,283,504 | 121        | 20,450   | 20,170     | 1,079    | 590,105   | 1,288    | 47,385            | 35       | 3,386       | 48,100   | 7,183  | 70       | 350                   | 525      | 492,745           | 437      | 147,840     | 4,763,778 |        |

## STATISTICS OF THE FISHING INDUSTRY IN THE PUBLIC WATERS OF ONTARIO

For the year ending December 31, 1946

## QUANTITIES OF FISH TAKEN

| District               | Herring      | Whitefish    | Trout      | Pike      | Pickerel<br>(Blue) | Pickerel<br>(Dore) | Sturgeon   | Eels     | Perch      | Tullibee  | Catfish   | Carp      | Mixed<br>Coarse | Caviare  | Total      | Value<br>—<br>\$ |           |
|------------------------|--------------|--------------|------------|-----------|--------------------|--------------------|------------|----------|------------|-----------|-----------|-----------|-----------------|----------|------------|------------------|-----------|
|                        |              |              |            |           |                    |                    |            |          |            |           |           |           |                 |          |            |                  |           |
| Northern Inland Waters | 2,229        | 1,416,919    | 147,892    | 743,532   | 7,539              | 1,620,630          | 144,610    | ...      | 6,490      | 162,027   | 31,627    | ...       | 441,091         | 1,652    | 4,719,299  | 896,020,72       |           |
| Lake Superior          | 1,511,185    | 274,992      | 1,530,894  | ...       | ...                | 120,462            | 2,118      | ...      | 1,703      | 33,086    | ...       | 22        | 106,683         | ...      | 3,588,689  | 639,033,91       |           |
| North Channel          | 385          | 24,866       | 6,022      | 80,738    | ...                | 28,493             | 7,126      | ...      | 2,445      | 134       | 980       | 5,788     | 132,597         | 136      | 289,710    | 42,309,37        |           |
| Georgian Bay           | 2,118        | 246,118      | 695,325    | 24,949    | ...                | 44,104             | 915        | ...      | 2,350      | 24,750    | 5,762     | 46,332    | 179,688         | 15       | 1,292,226  | 331,969,00       |           |
| Lake Huron             | 103,639      | 157,567      | 29,539     | 55,383    | 368                | 69,771             | 6,793      | ...      | 335,933    | 88,573    | 7,944     | 16,512    | 83,350          | 427      | 953,799    | 151,437,60       |           |
| Jake St. Clair         | ...          | 205          | ...        | 14,906    | ...                | 48,507             | 3,618      | ...      | 37,286     | ...       | 62,800    | 140,039   | 185,852         | 189      | 493,402    | 59,978,63        |           |
| Lake Erie              | 9,524,975    | 1,932,201    | 1,772      | 33,103    | 1,908,867          | 739,264            | 13,018     | 13,714   | 2,417,706  | ...       | 73,484    | 161,238   | 2,103,697       | 305      | 18,925,344 | 3,038,814,86     |           |
| Lake Ontario           | 413,075      | 397,887      | 102,445    | 50,327    | 63,030             | 44,809             | 7,027      | 34,733   | 161,538    | ...       | 288,024   | 196,783   | 293,937         | 83       | 2,058,698  | 316,925,57       |           |
| Southern Inland Waters | ...          | ...          | ...        | ...       | 7,247              | ...                | ...        | ...      | 3,037      | 5,016     | ...       | 159,074   | 192,519         | 312,059  | ...        | 678,952          | 70,539,22 |
| Totals                 | 11,576,606   | 4,451,055    | 2,514,489  | 1,015,624 | 1,972,265          | 2,716,040          | 185,225    | 51,484   | 2,973,467  | 308,570   | 629,695   | 759,233   | 3,843,559       | 2,807    | 33,000,119 | ...              |           |
| Values                 | 1,425,589,78 | 1,283,967,72 | 806,007,89 | 99,659,83 | 333,772,86         | 581,466,54         | 165,002,15 | 4,333,67 | 446,121,32 | 25,337,15 | 92,557,88 | 58,026,35 | 298,378,74      | 6,770,00 | ...        | 5,597,028,88     | ...       |

complete record of their daily fishing activities. This plan of reporting was adopted from the monthly report system now in effect in the State of Michigan and other states bordering the Great Lakes, where it has been enforced now for some fifteen years with very satisfactory results. The monthly report includes such required data on each day's fishing activities as, the month in which the fishing was done, the fishing locality (that is, lake and the section of that lake), the kind and amount of gear fished and the catch in pounds of each species taken.

In order to be able to obtain data for individual areas or districts within a lake, all of the Great Lakes have been divided into statistical districts, in such a way so as to make the districts on the Ontario side of the Great Lakes comparable to the similar districts on the United States side. Therefore, it is hoped that data on the commercial fishing in the Great Lakes will be on a more uniform basis, as many of the States bordering the Great Lakes, as well as the Province of Ontario, have adopted this statistical system of collecting records. By having our districts coinciding as near as possible with those on the United States side of the Great Lakes, a more complete picture can be presented.

The reports are sorted according to the month, the district, and the type of gear, and at the end of each year a complete statistical analysis will be made from these reports. This analysis will make possible an estimation of the annual fluctuations and the abundance of the different commercial species in the various statistical districts, as these fluctuations are reflected in the "catch per net". It is hoped, therefore, to have on hand, data for each of the commercial species of fish in the Province, as to the quantity of fish taken, the amount of gear used to take that catch, the month in which it was taken, and the area of a district of a lake from where it was taken.

These monthly reports do not include any information such as the number of men employed per licence, the amount of gear on hand and the value of same, and with this in mind it has been decided to continue with the Annual Report, as it will be used to obtain these facts and also to show the total catch of a lake by species by year.

At first, the monthly reports were incomplete and individual reports were often faulty. It is not felt that any reliable data will be obtained from the reports of 1946 and 1947, as it will take some little time before the system is properly functioning and all fishermen are reporting correctly each month. It is hoped that by the beginning of 1948 this system should be sufficiently established to be able to make an analysis of the data obtained during the months of 1948.

The overall picture of the commercial fisheries in Ontario in 1946, showed a net decrease of 1,277,624 pounds as compared with 1945. This reduction in catch was spread throughout the fishery in general and at the same time there was an increase in the gear used. This would indicate that the fisheries throughout the Province were even less productive than the statistics of catch alone would indicate when comparison is made with 1945.

In 1946, Lake Erie produced over half the total catch for the whole Province. The productive capacity of this lake is fairly stable, although there are, of course, some years in which the catch drops to a low ebb and in other years, reaches a peak. However, this catch in general tends to level off since the reduction in numbers of one species, in any one year, usually is replaced by an increased production of another or several other species in that year. It is notable that although there was a decrease of 4,649,899 lbs. in the catch of blue pickerel in Lake Erie, the net decrease in total catch for the lake was only 24,233 lbs.

Lake Superior and Lake Ontario are also maintaining a fairly stable level, despite the fact that the catch is down in each case this year. While these lakes are not as productive as Lake Erie and they do not have as great a variety of fish entering the catch, the fishing effort is not as intensive. The latter may account in part for the relative stability of the total catch.

The fisheries in Lake Huron, Georgian Bay and North Channel are at a very low ebb at present, due to the fact that the lake trout and whitefish catches have decreased tremendously during the past six years.

The total catch from northern inland waters was less in 1946 than in 1945, whereas the total catch from southern inland waters (largely bullheads, carp and other coarse fish) shows a slight increase.

COMPARATIVE STATEMENT OF THE YIELD OF THE FISHERIES  
OF ONTARIO BY LAKE

| Lake                     | 1945<br>Pounds | 1946<br>Pounds | Increase<br>Pounds | Decrease<br>Pounds |
|--------------------------|----------------|----------------|--------------------|--------------------|
| Ontario.....             | 2,338,186      | 2,058,698      | .....              | 279,488            |
| Erie.....                | 18,949,577     | 18,925,344     | .....              | 24,233             |
| St. Clair.....           | 502,991        | 493,402        | .....              | 9,589              |
| Huron.....               | 1,070,900      | 953,799        | .....              | 117,101            |
| Georgian Bay.....        | 1,524,489      | 1,292,226      | .....              | 232,263            |
| North Channel.....       | 433,990        | 289,710        | .....              | 144,280            |
| Superior.....            | 3,812,064      | 3,588,689      | .....              | 223,375            |
| South Inland Waters..... | 606,002        | 678,952        | 72,950             | .....              |
| North Inland Waters..... | 5,039,544      | 4,719,299      | .....              | 320,245            |
|                          | 34,277,743     | 33,000,119     | 72,950             | 1,350,574          |
| Net Decrease.....        |                |                |                    | 1,277,624          |

COMPARATIVE STATEMENT OF THE YIELD OF THE  
FISHERIES OF ONTARIO

| Species                | 1945<br>Pounds | 1946<br>Pounds | Increase<br>Pounds | Decrease<br>Pounds |
|------------------------|----------------|----------------|--------------------|--------------------|
| Herring.....           | 9,124,060      | 11,576,606     | 2,452,546          | .....              |
| Whitefish.....         | 4,265,089      | 4,451,055      | 185,966            | .....              |
| Trout.....             | 2,588,980      | 2,514,489      | .....              | 74,491             |
| Pike.....              | 1,104,376      | 1,015,624      | .....              | 88,752             |
| Pickerel (Blue).....   | 6,582,466      | 1,972,265      | .....              | 4,610,201          |
| Pickerel (Yellow)..... | 3,021,173      | 2,716,040      | .....              | 305,133            |
| Sturgeon.....          | 139,224        | 185,225        | 46,001             | .....              |
| Eels.....              | 46,719         | 51,484         | 4,765              | .....              |
| Perch.....             | 1,695,084      | 2,973,467      | 1,278,383          | .....              |
| Tullibee.....          | 699,637        | 308,570        | .....              | 391,067            |
| Catfish.....           | 557,546        | 629,695        | 72,149             | .....              |
| Carp.....              | 638,068        | 759,233        | 121,165            | .....              |
| Mixed and Coarse.....  | 3,812,355      | 3,843,559      | 31,204             | .....              |
| Caviar.....            | 2,966          | 2,807          | .....              | 159                |
|                        | 34,277,743     | 33,000,119     | 4,192,179          | 5,469,803          |
| Net Decrease.....      |                |                |                    | 1,277,624          |



DIGGING A FIRE LINE IN AWREY TOWNSHIP

## DIVISION OF FOREST PROTECTION

## FIRE AND HAZARD CONDITIONS

The fire season was, on the whole, a fairly moderate one. The number of fires was above the average, but the area burned over was relatively small. The warm weather at the end of March created a fairly high hazard in the eastern part of the Province for a short period, but in general the weather was favourable during April and May. There was a high hazard in the western part of the Province during the first part of June and in the Sudbury and Parry Sound Districts during the latter part of July and first part of August, but apart from a short period of high hazard in the early part of October in the same two districts, there were no acute or prolonged hazards in the latter part of the summer.

## LEGISLATION

An Act to amend The Forest Fires Prevention Act (Bill No. 98) was passed at the 1946 session of the Legislature and became law on June 5, 1946. The more important changes are:

1. The office of Provincial Forester is abolished.
2. Provision made to enter into agreements with municipalities for prevention and control of fires.
3. Provision for the entire cost of extinguishing fires confined to Crown Land to be borne by the Department.
4. Onus of proof placed upon permittee where fire originates in an area in which summer operations are being carried on.
5. Section 24 requiring employees of operators to wear badges was repealed.

An Order-in-Council revising the Regulations under The Forest Fires Prevention Act was passed on July 4th, 1946. This made some changes in the general regulations and in the boundaries of the fire districts and travel permit areas.

Due to hazardous fire conditions, eight areas in Cochrane District were closed to travel for ten days in the first part of August and a section of the Mississagi Road in Sault Ste. Marie District was closed to travel from August 5 to September 13.

The number of prosecutions for breaches of the Forest Fires Prevention Act was seventeen, all but three of which resulted in convictions.

## ORGANIZATION

On December 1, 1946 Mr. C. R. Mills resigned as Chief of the Division of Forest Protection and was replaced by Mr. T. E. Mackey, who was formerly Regional Forester at North Bay.

By Order-in-Council dated July 4, 1946, Manitoulin and Cockburn Islands and Lots 16 to 53 of the Wild Land Reserve in the Municipality of Atwood were removed from the Fire District and the townships of Morson, McCrosson and Tovell were added to the Fire District.

On April 1, 1946, Chapleau and Biscotasing Divisions of Sudbury District were formed into a new district known as Chapleau District, with headquarters at Chapleau, and Gogama and Foleyet Divisions and part of Capreol Division were formed into a new District known as Gogama District, with headquarters at Gogama.

On May 1, 1946, Mr. J. W. Jones and Mr. R. K. Strang were transferred from the Main Office of the Department of Game and Fisheries to the Division of Forest Protection. Mr. Jones will continue in the capacity of Superintendent of Construction and Mr. Strang as Mechanical Supervisor.

During July and August the fire ranging staff was again augmented by some eighty high school students who did valuable work on improvements and on fire suppression.

#### EQUIPMENT

There were no new developments during the past fiscal year.

#### IMPROVEMENTS

Some ranger cabins and smaller headquarters buildings were constructed and some telephone lines built but no extensive building programme was carried out due to shortage of materials.

The Department of Public Works continued the construction of buildings at the Forest Ranger School. The buildings completed to date are a dormitory, boiler house and heating plant, dining hall and kitchen with living quarters for kitchen staff. Underway are a workshop and garage, the Director's house and Administration Office, the school building and two fire hydrant and hose houses.

#### *Total Improvements Completed to March 31, 1947*

|   |      |
|---|------|
| Cabins . . . . .                              | 547  |
| Storehouses . . . . .                         | 152  |
| Boathouses . . . . .                          | 60   |
| Combined Storehouses and Boathouses . . . . . | 27   |
| Bunkhouses . . . . .                          | 62   |
| Offices . . . . .                             | 36   |
| Garages & Car Houses . . . . .                | 89   |
| Other Buildings . . . . .                     | 213  |
| Hose Towers . . . . .                         | 63   |
| Wooden Lookout Towers . . . . .               | 52   |
| Steel Lookout Towers . . . . .                | 227  |
| Telephone Lines (miles) . . . . .             | 3740 |

## RADIO COMMUNICATIONS

*Radio Sets in Use During 1946*

| District              | Tower Sets | P'tble Sets | Boat Sets | Pack Sets | Model 30  | Model 300 | Misc.    | Air-craft | Totals     |
|-----------------------|------------|-------------|-----------|-----------|-----------|-----------|----------|-----------|------------|
| Sioux Lookout.....    | 14         | 1           | .....     | 1         | 6         | 2         | .....    | 4         | 28         |
| Kenora.....           | 14         | 1           | .....     | .....     | 2         | 1         | .....    | 2         | 20         |
| Fort Frances.....     | 11         | .....       | .....     | .....     | 6         | .....     | .....    | 1         | 18         |
| Port Arthur.....      | 14         | 1           | 1         | .....     | 5         | 2         | 3        | 3         | 29         |
| Geraldton.....        | 9          | .....       | .....     | .....     | 4         | 1         | .....    | 2         | 16         |
| Kapuskasing.....      | 10         | .....       | .....     | .....     | 5         | .....     | .....    | 1         | 16         |
| Cochrane.....         | 14         | .....       | .....     | .....     | 3         | .....     | .....    | 1         | 18         |
| Sault Ste. Marie..... | 27         | 4           | .....     | .....     | 4         | 1         | .....    | 2         | 38         |
| Sudbury.....          | 12         | 1           | .....     | .....     | .....     | .....     | .....    | 1         | 14         |
| Chapleau.....         | 11         | 1           | .....     | .....     | 1         | .....     | .....    | 1         | 14         |
| Gogama.....           | 11         | 1           | .....     | .....     | 1         | .....     | .....    | .....     | 13         |
| North Bay.....        | 20         | .....       | .....     | .....     | 2         | .....     | .....    | 1         | 23         |
| Algonquin.....        | 12         | .....       | .....     | .....     | .....     | .....     | .....    | 1         | 13         |
| Head Office.....      | 1          | 7           | 5         | 5         | 1         | .....     | .....    | .....     | 19         |
| <b>TOTAL.....</b>     | <b>180</b> | <b>17</b>   | <b>6</b>  | <b>6</b>  | <b>40</b> | <b>7</b>  | <b>3</b> | <b>20</b> | <b>279</b> |

An additional four radio equipped aircraft were added to the Division of Air Service bringing the total to 20, with the following distribution:

CF-OAV—Kenora District  
 CF-OAW—Geraldton District  
 CF-OAY—Cochrane District  
 CF-OBA—Sault Ste. Marie District  
 CF-OBB—Sioux Lookout District  
 CF-BGJ—Kapuskasing District  
 CF-BGM—Algonquin District  
 CF-BGN—Sioux Lookout District  
 CF-OBC—Sioux Lookout District  
 CF-OBD—Kenora District  
 CF-OBE—Port Arthur District  
 CF-OBF—Sudbury District  
 CF-OBG—Port Arthur District  
 CF-OBH—Sault Ste. Marie District  
 CF-OBI—Sioux Lookout District  
 CF-OBJ—North Bay District  
 CF-OBL—Port Arthur District  
 CF-OBM—Fort Frances District  
 CF-OBN—Geraldton District  
 CF-OBO—Sudbury District

Fourteen Model 30, four frequency transmitters were constructed in the Department's shops, with distribution as follows:

|                             |   |                                |   |
|-----------------------------|---|--------------------------------|---|
| Fort Frances District.....  | 1 | Kapuskasing District.....      | 4 |
| Kenora District.....        | 1 | Cochrane District.....         | 1 |
| Sioux Lookout District..... | 1 | North Bay District.....        | 1 |
| Port Arthur District.....   | 2 | Sault Ste. Marie District..... | 1 |
| Geraldton District.....     | 2 |                                |   |

Seventeen all-wave communication receivers were purchased for the above transmitters, and eight High Frequency tower trans-receivers obtained and distributed throughout the Algonquin District.

#### HAZARD DISPOSAL

A certain amount of hazard clearing was carried out. The fire guard at Larder Lake was extended by an additional 30 acre clearing and work was done on the fire guard at Biscotasing. Hazard clearing was carried out along the Nipigon-Beardmore Highway and along three roads in Sudbury and Gogama Districts.

#### INSECT CONTROL

The Forest Insect Laboratory at Sault Ste. Marie was in full operation during the year, the Department of Agriculture, Canada carrying on investigative work in forest entomology throughout the Province and administering the forest insect survey.

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TABLE NO. 1  
NUMBER OF MEN ON DUTY INCLUDING CHIEF AND DEPUTY  
CHIEF RANGERS

|                 | 1946 | 1945 | 1944 | 1943 | 1942 | 1941 | 1940 |
|-----------------|------|------|------|------|------|------|------|
| April 1st.....  | 591  | 145  | 162  | 128  | 113  | 94   | 82   |
| April 15th..... | 591  | 309  | 169  | 141  | 141  | 129  | 116  |
| May 1st.....    | 1108 | 596  | 477  | 264  | 633  | 461  | 362  |
| May 15th.....   | 1111 | 720  | 718  | 559  | 896  | 791  | 709  |
| June 1st.....   | 1240 | 740  | 923  | 856  | 1053 | 1009 | 1025 |
| June 15th.....  | 1238 | 896  | 964  | 918  | 1095 | 1072 | 1080 |
| July 1st.....   | 1280 | 840  | 947  | 964  | 1118 | 1081 | 1088 |
| July 15th.....  | 1284 | 877  | 958  | 960  | 1147 | 1084 | 1092 |
| Aug. 1st.....   | 1301 | 885  | 873  | 999  | 1086 | 1095 | 1093 |
| Aug. 15th.....  | 1298 | 890  | 871  | 993  | 1072 | 1085 | 1094 |
| Sept. 1st.....  | 1101 | 783  | 646  | 843  | 909  | 941  | 1022 |
| Sept. 15th..... | 1096 | 691  | 468  | 677  | 747  | 739  | 783  |
| Oct. 1st.....   | 670  | 329  | 267  | 413  | 411  | 380  | 477  |
| Oct. 15th.....  | 669  | 262  | 233  | 396  | 329  | 232  | 336  |
| Oct. 31st.....  | 307  | 212  | 207  | 210  | 193  | 158  | 192  |

TABLE NO. 2  
CLASSIFICATION OF FOREST FIRES  
By Month

| Month          | 1946 |          | 1945 |          | 1944  |          | 1943  |          | 1942  |          | 1941  |          | 1940  |          |
|----------------|------|----------|------|----------|-------|----------|-------|----------|-------|----------|-------|----------|-------|----------|
|                | No.  | Per Cent | No.  | Per Cent | No.   | Per Cent | No.   | Per Cent | No.   | Per Cent | No.   | Per Cent | No.   | Per Cent |
| March.....     | 43   | 2.4      | 15   | 1.8      | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    | 103   | 10.2     |
| April.....     | 140  | 8.3      | 134  | 13.8     | 128   | 11.2     | 15    | 2.4      | 286   | 23.3     | 85    | 6.7      | 103   | 10.2     |
| May.....       | 248  | 14.2     | 182  | 18.8     | 352   | 30.8     | 188   | 30.7     | 102   | 8.3      | 398   | 31.5     | 122   | 12.0     |
| June.....      | 298  | 17.3     | 121  | 12.7     | 112   | 8.8      | 33    | 5.2      | 137   | 11.4     | 273   | 21.6     | 112   | 11.0     |
| July.....      | 404  | 23.2     | 160  | 16.5     | 253   | 20.2     | 96    | 15.3     | 235   | 19.3     | 331   | 26.2     | 227   | 22.4     |
| August.....    | 404  | 23.2     | 318  | 32.9     | 233   | 23.9     | 86    | 13.7     | 287   | 23.4     | 124   | 9.9      | 282   | 27.8     |
| September..... | 117  | 6.7      | 26   | 2.6      | 16    | 1.4      | 20    | 3.2      | 61    | 4.9      | 52    | 4.1      | 108   | 10.7     |
| October.....   | 83   | 4.7      | 9    | .9       | 37    | 3.2      | 186   | 29.5     | 116   | 9.4      | 2     | .....    | 60    | 5.9      |
| November.....  | 2    | .....    | 1    | .....    | 6     | 0.5      | ..... | .....    | ..... | .....    | ..... | .....    | ..... | .....    |
| Totals.....    | 1739 | 100.0    | 966  | 100.0    | 1137  | 100.0    | 624   | 100.0    | 1224  | 100.0    | 1265  | 100.0    | 1014  | 100.0    |

TABLE No. 3  
CLASSIFICATION OF FOREST FIRES  
By Origin

| Origin                  | 1946 |          |     | 1945     |      |          | 1944 |          |      | 1943     |      |          | 1942 |          |      | 1941     |      |          | 1940 |          |  |
|-------------------------|------|----------|-----|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|------|----------|--|
|                         | No.  | Per Cent | No. | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent |  |
| Settlers.....           | 80   | 4.6      | 44  | 4.5      | 96   | 8.4      | 55   | 8.8      | 114  | 9.3      | 103  | 8.2      | 64   | 6.3      | 271  | 21.4     | 339  | 33.4     | 339  | 33.4     |  |
| Campers.....            | 481  | 28.0     | 289 | 29.9     | 247  | 21.7     | 187  | 29.9     | 296  | 24.4     | 143  | 11.6     | 81   | 6.4      | 24   | 2.4      | 24   | 2.4      | 24   | 2.4      |  |
| Railways.....           | 249  | 15.0     | 163 | 16.8     | 218  | 19.8     | 82   | 13.2     | 100  | 16.0     | 195  | 15.9     | 278  | 22.0     | 212  | 20.9     | 212  | 20.9     | 212  | 20.9     |  |
| Lightning.....          | 303  | 18.0     | 121 | 12.6     | 185  | 16.2     | 37   | 3.2      | 26   | 4.2      | 34   | 2.8      | 45   | 3.6      | 23   | 2.3      | 23   | 2.3      | 23   | 2.3      |  |
| Logging Operations..... | 68   | 3.0      | 32  | 3.4      | 37   | 3.2      | 1    | 0.5      | 3    | 0.5      | 3    | 0.2      | 2    | 0.2      | 5    | 0.5      | 5    | 0.5      | 5    | 0.5      |  |
| Mining Operations.....  | 11   | 0.6      | 3   | 0.3      | 1    | 0.1      | 1    | 0.5      | 132  | 21.3     | 243  | 19.8     | 219  | 17.3     | 179  | 17.6     | 179  | 17.6     | 179  | 17.6     |  |
| Smokers.....            | 383  | 23.0     | 231 | 23.9     | 243  | 21.3     | 132  | 21.3     | 243  | 19.8     | 219  | 17.3     | 219  | 17.3     | 179  | 17.6     | 179  | 17.6     | 179  | 17.6     |  |
| Road Construction.....  | 21   | 1.0      | 4   | 0.4      | 4    | 0.4      | 5    | 0.8      | 8    | 0.6      | 20   | 1.6      | 12   | 1.2      | 12   | 1.2      | 12   | 1.2      | 12   | 1.2      |  |
| Incendiary.....         | 31   | 1.7      | 8   | 0.8      | 23   | 2.0      | 4    | 0.6      | 13   | 1.0      | 23   | 1.8      | 34   | 3.3      | 34   | 3.3      | 34   | 3.3      | 34   | 3.3      |  |
| Prospectors.....        | 2    | 0.1      | 3   | 0.3      | 2    | 0.1      | 1    | 0.1      | 3    | 0.3      | 3    | 0.2      | 2    | 0.2      | 2    | 0.2      | 2    | 0.2      | 2    | 0.2      |  |
| Miscellaneous.....      | 68   | 3.0      | 36  | 3.7      | 55   | 4.8      | 25   | 4.0      | 56   | 4.6      | 60   | 4.8      | 30   | 3.0      | 30   | 3.0      | 30   | 3.0      | 30   | 3.0      |  |
| Unknown.....            | 42   | 2.0      | 32  | 3.4      | 26   | 2.2      | 4    | 0.6      | 116  | 9.5      | 160  | 12.7     | 90   | 8.9      | 8.9  | 8.9      | 8.9  | 8.9      | 8.9  | 8.9      |  |
| Totals.....             | 1739 | 100.0    | 966 | 100.0    | 1137 | 100.0    | 624  | 100.0    | 1224 | 100.0    | 1265 | 100.0    | 1014 | 100.0    | 1014 | 100.0    | 1014 | 100.0    | 1014 | 100.0    |  |

TABLE No. 4  
CLASSIFICATION OF FOREST FIRES  
By Size

| Size                            | 1946  |          | 1945  |          | 1944 |          | 1943  |          | 1942 |          | 1941 |          | 1940 |          |
|---------------------------------|-------|----------|-------|----------|------|----------|-------|----------|------|----------|------|----------|------|----------|
|                                 | No.   | Per Cent | No.   | Per Cent | No.  | Per Cent | No.   | Per Cent | No.  | Per Cent | No.  | Per Cent | No.  | Per Cent |
| 1/4 Acre and under.....         | 490   | 28.3     | 211   | 21.8     | 241  | 22.1     | 155   | 24.8     | 276  | 22.5     | 278  | 22.0     | 224  | 22.1     |
| Over 1/4 to 5 acres.....        | 784   | 45.0     | 457   | 47.4     | 519  | 45.6     | 237   | 37.9     | 487  | 39.7     | 506  | 40.0     | 441  | 43.5     |
| Over 5 to 10 acres.....         | 129   | 7.4      | 75    | 7.7      | 93   | 8.3      | 58    | 9.2      | 97   | 7.9      | 94   | 7.4      | 99   | 9.7      |
| Over 10 to 100 acres.....       | 233   | 13.5     | 159   | 16.6     | 211  | 18.5     | 108   | 17.4     | 244  | 19.9     | 235  | 18.6     | 170  | 16.8     |
| Over 100 to 500 acres.....      | 78    | 4.5      | 43    | 4.4      | 47   | 3.4      | 41    | 6.5      | 86   | 7.2      | 89   | 7.0      | 56   | 5.5      |
| Over 500 to 1,000 acres.....    | 13    | 0.7      | 11    | 1.1      | 7    | 0.6      | 15    | 2.5      | 20   | 1.6      | 23   | 1.8      | 10   | 1.0      |
| Over 1,000 to 10,000 acres..... | 12    | 0.6      | 10    | 1.0      | 17   | 1.4      | 10    | 1.7      | 13   | 1.2      | 32   | 2.5      | 10   | 1.0      |
| Over 10,000 acres.....          | ..... | .....    | ..... | .....    | 2    | 0.1      | ..... | .....    | 1    | .....    | 8    | 0.7      | 4    | 0.4      |
| Totals.....                     | 1739  | 100.0    | 966   | 100.0    | 1137 | 100.0    | 624   | 100.0    | 1224 | 100.0    | 1265 | 100.0    | 1014 | 100.0    |

TABLE No. 5  
CLASSIFICATION OF AREA BURNED OVER—1946  
By Month

| District              | March | April | May    | June   | July   | Aug.   | Sept. | Oct.  | Nov.  | Total  |
|-----------------------|-------|-------|--------|--------|--------|--------|-------|-------|-------|--------|
|                       | Acres | Acres | Acres  | Acres  | Acres  | Acres  | Acres | Acres | Acres | Acres  |
| Sioux Lookout.....    |       |       | 196    | 6,938  | 9      | 411    | 131   |       |       | 7,685  |
| Kenora.....           |       | 145   | 8,061  | 539    | 706    | 1,191  | 858   | 1     |       | 11,501 |
| Fort Frances.....     |       | 40    | 18     | 147    | 538    | 1,921  | 138   |       |       | 2,802  |
| Port Arthur.....      |       | 200   |        | 520    | 9,879  | 824    | 127   | 30    | 5     | 11,585 |
| Geraldton.....        |       |       | 12     | 621    | 1,052  | 13     | 3     | 1     |       | 1,702  |
| Kapuskasing.....      |       |       | 17     | 25     | 6      | 12     | 120   |       |       | 180    |
| Cochrane.....         | 6     | 19    | 1,174  | 1,817  | 50     | 472    | 3     | 18    |       | 3,559  |
| Sault Ste. Marie..... | 198   | 325   | 284    | 1,414  | 326    | 3,828  | 2     | 325   |       | 6,702  |
| Sudbury.....          | 124   | 872   | 1,343  | 2,406  | 3,166  | 949    | 163   | 639   |       | 9,662  |
| Chapleau.....         |       |       | 15     | 44     | 28     |        |       | 6     |       | 93     |
| Gogama.....           | 3     | 3     | 4      | 4      |        | 1      |       | 1     |       | 16     |
| North Bay.....        |       | 381   | 763    | 1,462  | 49     | 415    | 5     | 297   |       | 3,372  |
| Parry Sound.....      | 3     | 78    | 211    | 15     | 12,195 | 1,341  | 52    | 408   |       | 14,303 |
| Algonquin.....        | 25    | 12    | 303    | 18     | 13     | 184    | 8     | 597   |       | 1,160  |
| Tweed.....            | 62    | 209   | 159    | 9      | 1,772  | 223    | 7     | 6     |       | 2,447  |
| Total.....            | 421   | 2,284 | 13,080 | 25,338 | 20,734 | 11,088 | 1,520 | 2,304 |       | 76,769 |

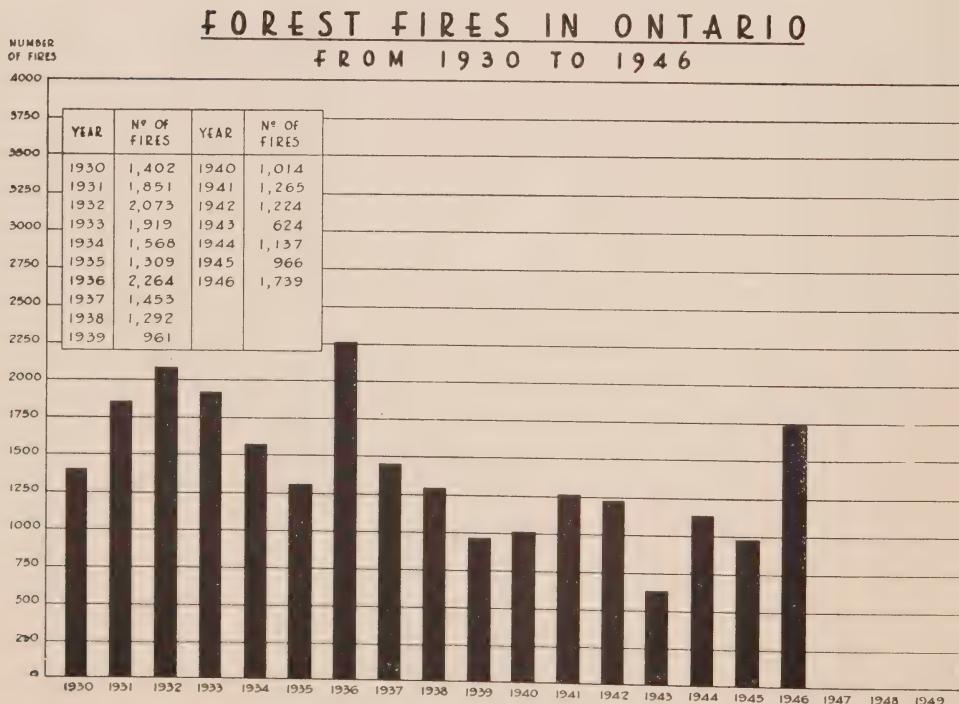


TABLE NO. 6  
CLASSIFICATION OF AREA BURNED OVER—1946  
By Origin

| Districts             | Settlers Acres | Campers Acres | Rail-ways Acres | Light-ning Acres | Log-ging Acres | Mining Acres | Smokers Acres | Road Construc-tion Acres | Incen-dary Acres | Pros-pectors Acres | Miscel-laneous Acres | Un-known Acres | Total Acres |
|-----------------------|----------------|---------------|-----------------|------------------|----------------|--------------|---------------|--------------------------|------------------|--------------------|----------------------|----------------|-------------|
| Sioux Lookout.....    | 40             | 3,330         | 3,365           | 231              | 39             | 407          | 8             | .....                    | 22               | 248                | 7,685                | .....          | 11,501      |
| Kenora.....           | 744            | 8,043         | 792             | 13               | .....          | 665          | .....         | .....                    | .....            | .....              | 6                    | 2,802          | 11,585      |
| Port Frances.....     | 149            | 31            | 2,125           | .....            | .....          | 486          | .....         | 4                        | .....            | .....              | .....                | 1,702          | 1,702       |
| Port Arthur.....      | 25             | 364           | 16              | 9,476            | 1,198          | .....        | 155           | 347                      | .....            | 104                | 23                   | .....          | 3,559       |
| Geraldton.....        | 6              | 1             | 7               | 565              | 5              | 991          | .....         | .....                    | .....            | .....              | .....                | .....          | 9,662       |
| Kapuskasing.....      | 10             | 3             | .....           | 124              | 6              | 37           | .....         | .....                    | .....            | 172                | 332                  | 81             | 14,303      |
| Cochrane.....         | 653            | 725           | 16              | .....            | 993            | 1            | 936           | 1                        | 62               | 23                 | 21                   | 1              | 1,160       |
| Sault Ste. Marie..... | 250            | 459           | 168             | 1,044            | 505            | .....        | 3,840         | .....                    | .....            | .....              | .....                | .....          | 2,447       |
| Sudbury.....          | 200            | 4,800         | 501             | 131              | 18             | 10           | 3,767         | 3                        | 210              | .....              | .....                | .....          | .....       |
| Chapleau.....         | 3              | 11            | 28              | 38               | .....          | 5            | 8             | .....                    | .....            | .....              | .....                | .....          | 1,160       |
| Gogama.....           | 1              | 2             | 2               | 2                | 2              | 6            | .....         | .....                    | .....            | .....              | 3                    | 16             | 3,372       |
| North Bay.....        | 359            | 368           | 11              | 1,744            | 226            | 1            | 492           | .....                    | 1                | .....              | 121                  | 49             | 14,303      |
| Parry Sound.....      | 156            | 12,783        | 435             | 157              | 5              | .....        | 432           | .....                    | 186              | .....              | 148                  | 1              | 1,160       |
| Algonquin.....        | 3              | 693           | 69              | 206              | 3              | .....        | 183           | .....                    | 75               | 107                | 1                    | 3              | 2,447       |
| Tweed.....            | 128            | 386           | 125             | 1,588            | 32             | .....        | .....         | .....                    | .....            | .....              | .....                | 5              | .....       |
| Totals.....           | 2,677          | 21,898        | 9,406           | 20,630           | 7,085          | 256          | 12,109        | 873                      | 490              | 4                  | 673                  | 668            | 76,769      |

TABLE No. 7  
CLASSIFICATION OF FOREST AREAS BURNED OVER—1946  
By Forest Type

| Districts             | No. of Fires | 1C            | 1H          | 2C        | 2H          | 3C        | 3H          | 4         | 5               | 6                        | 7      | 8      | Total (Acres) |
|-----------------------|--------------|---------------|-------------|-----------|-------------|-----------|-------------|-----------|-----------------|--------------------------|--------|--------|---------------|
|                       |              | Mature Growth | Coni-ferous | Hard-wood | Coni-ferous | Hard-wood | Coni-ferous | Hard-wood | Not re-stocking | Old Burn Not re-stocking | Muskeg | Barron | Grass         |
| Sioux Lookout.....    | 91           | 2,936         | 504         | 265       | 20          | 3,016     | 13          | 424       | 485             | 17                       | 2      | 3      | 7,685         |
| Kenora.....           | 160          | 2,663         | 509         | 1,971     | 8           | 3,587     | 666         | 1,373     | 611             | 8                        | 63     | 42     | 11,501        |
| Fort Frances.....     | 66           | 411           | .....       | 525       | .....       | 262       | 571         | 432       | 72              | 360                      | 52     | 117    | 2,802         |
| Port Arthur.....      | 102          | 2,676         | 9           | 176       | 17          | 6,439     | 46          | 1,319     | 187             | 423                      | 6      | 287    | 11,585        |
| Geraldton.....        | 49           | 5             | 4           | 51        | 1           | 4         | 4           | 907       | 707             | 1                        | 2      | 16     | 1,702         |
| Kapuskasing.....      | 18           | 13            | .....       | 3         | .....       | .....     | .....       | 138       | 111             | .....                    | .....  | 1,5    | 180           |
| Cochrane.....         | 140          | 150           | 336         | 16        | .....       | 458       | 26          | 1,476     | 258             | 2                        | 36     | 801    | 3,559         |
| Sault Ste. Marie..... | 142          | 51            | 350         | 66        | 64          | 40        | 122         | 4,793     | 522             | 16                       | 196    | 482    | 6,702         |
| Sudbury.....          | 275          | 38            | 21          | 646       | 238         | 663       | 745         | 891       | 3,158           | 339                      | 1,343  | 1,580  | 9,662         |
| Chapleau.....         | 16           | 25            | 4           | 5         | 16          | 5         | .....       | 29        | .....           | .....                    | .....  | 9      | 93            |
| Gogama.....           | 24           | 1             | .....       | 2         | .....       | .....     | 1           | 4         | .....           | 1                        | 2      | 5      | 16            |
| North Bay.....        | 108          | 91            | 24          | 1,135     | 457         | 173       | 169         | 643       | 354             | 28                       | 3      | 295    | 3,372         |
| Parry Sound.....      | 292          | 50            | 152         | 1,897     | 797         | 338       | 2,655       | 223       | 2,138           | 2,695                    | 2,022  | 1,336  | 14,303        |
| Algonquin.....        | 85           | 66            | 282         | 208       | 70          | 27        | 382         | 382       | 5               | 1                        | .....  | 118    | 1,160         |
| Tweed.....            | 171          | 2             | .....       | 274       | 452         | 173       | 633         | 70        | 43              | .....                    | 560    | 238    | 2,447         |
| Totals.....           | 1,739        | 9,178         | 2,195       | 7,240     | 2,140       | 15,187    | 6,033       | 12,727    | 8,547           | 3,891                    | 4,287  | 3,344  | 76,769        |
| 1945—Totals.....      | 966          | 4,608         | 605         | 2,690     | 1,398       | 4,882     | 4,648       | 5,894     | 9,916           | 1,774                    | 4,791  | 7,304  | 48,510        |
| 1944—Totals.....      | 1,137        | 9,981         | 3,255       | 50,564    | 9,565       | 10,158    | 10,546      | 47,849    | 14,043          | 2,816                    | 6,125  | 4,989  | 168,891       |
| 1943—Totals.....      | 624          | 3,968         | 3,100       | 3,213     | 4,624       | 7,824     | 12,211      | 8,450     | 5,746           | 181                      | 654    | 2,846  | 52,817        |
| 1942—Totals.....      | 1,224        | 32,157        | 2,083       | 14,336    | 4,010       | 7,313     | 9,171       | 8,993     | 24,164          | 2,172                    | 3,361  | 5,956  | 113,716       |
| 1941—Totals.....      | 1,265        | 221,362       | 50,793      | 33,035    | 20,702      | 55,690    | 22,341      | 150,422   | 86,837          | 10,469                   | 5,257  | 9,639  | 666,547       |
| 1940—Totals.....      | 1,014        | 11,588        | 1,809       | 23,130    | 5,678       | 29,661    | 6,719       | 17,574    | 20,354          | 1,346                    | 903    | 2,852  | 121,614       |

TABLE No. 8  
CLASSIFICATION OF LAND BURNED OVER—1946  
By Ownership

| District              | Crown Land    | Private Land  | Totals       |               |
|-----------------------|---------------|---------------|--------------|---------------|
|                       | Area in Acres | Area in Acres | No. of Fires | Area in Acres |
| Sioux Lookout.....    | 7,376         | 309           | 91           | 7,685         |
| Kenora.....           | 9,383         | 2,118         | 160          | 11,501        |
| Fort Frances.....     | 2,582         | 220           | 66           | 2,802         |
| Port Arthur.....      | 878           | 10,707        | 102          | 11,585        |
| Geraldton.....        | 1             | 1,701         | 49           | 1,702         |
| Kapuskasing.....      | 142           | 38            | 18           | 180           |
| Cochrane.....         | 1,988         | 1,571         | 140          | 3,559         |
| Sault Ste. Marie..... | 5,655         | 1,047         | 142          | 6,702         |
| Sudbury.....          | 2,432         | 7,230         | 275          | 9,662         |
| Chapleau.....         | 29            | 64            | 16           | 93            |
| Gogama.....           | 13            | 3             | 24           | 16            |
| North Bay.....        | 436           | 2,936         | 108          | 3,372         |
| Parry Sound.....      | 10,687        | 3,616         | 292          | 14,303        |
| Algonquin.....        | 1,131         | 29            | 85           | 1,160         |
| Tweed.....            | 1,923         | 524           | 171          | 2,447         |
| Totals.....           | 44,656        | 32,113        | 1,739        | 76,769        |

ACREAGE BURNED BY FOREST FIRES IN ONTARIO  
FROM 1930 TO 1946

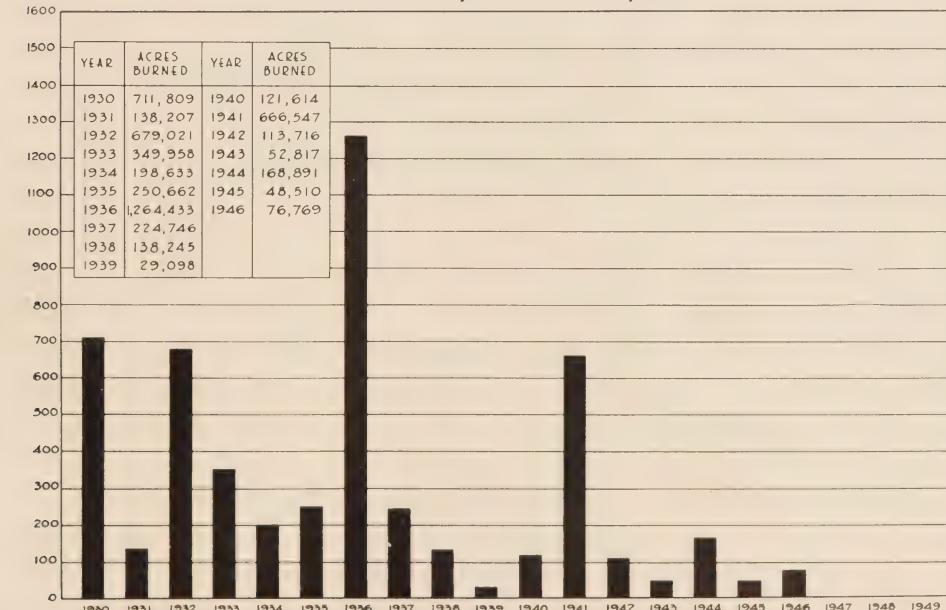


TABLE No. 9  
MAJOR EQUIPMENT PURCHASED AND IN USE

| Portable Hand Pumps   |            | Fire Fighting Units |            | Fire Fighting Hose (in feet) |                 | Tents           |             | Blankets (pairs)                 |                                | Canoes                          |           | Motor Boats      |            | Auto Trucks    |           | Rail-way Motor Cars |           | Veloci-pedes   |           | Out-board Motors |          | Binoc-ulars    |            |           |            |    |
|-----------------------|------------|---------------------|------------|------------------------------|-----------------|-----------------|-------------|----------------------------------|--------------------------------|---------------------------------|-----------|------------------|------------|----------------|-----------|---------------------|-----------|----------------|-----------|------------------|----------|----------------|------------|-----------|------------|----|
|                       |            | Purchased 1946      |            | Total now in use             |                 | Purchased 1946  |             | Total now in use                 |                                | Purchased 1946                  |           | Total now in use |            | Purchased 1946 |           | Total now in use    |           | Purchased 1946 |           | Total now in use |          | Purchased 1946 |            |           |            |    |
| Kenora.....           | 45         | 71                  | 5500       | 208250                       | 6               | 97              | 50          | 1048                             | 4                              | 83                              | 3         | 3                | 11         | 1              | 1         | 7                   | 41        | 18             | 29        | 4                | 18       | 2              | 29         |           |            |    |
| Sioux Lookout...      | 25         | 98                  | 20000      | 293100                       | 6               | 128             | 70          | 1222 <sup>1</sup> / <sub>2</sub> | 9                              | 109                             | 3         | 10               | 5          | 10             | 1         | 10                  | 36        | 1              | 12        | 12               | 2        | 27             | 2          | 4         |            |    |
| Port Fort Frances...  | 1          | 69                  | 2          | 36                           | 9000            | 112400          | 6           | 48                               | 50                             | 422 <sup>1</sup> / <sub>2</sub> | 8         | 57               | 2          | 3              | 6         | 1                   | 1         | 10             | 29        | 2                | 10       | 2              | 10         | 1         | 12         |    |
| Port Arthur...        | 1          | 268                 | 2          | 92                           | 6000            | 33              | 130         | 257                              | 1538                           | 16                              | 71        | 2                | 7          | 18             | 1         | 1                   | 2         | 17             | 3         | 3                | 5        | 2              | 10         | 1         | 12         |    |
| Geraldton.....        | 386        | 63                  | 20000      | 235600                       | 19              | 118             | 175         | 644 <sup>1</sup> / <sub>2</sub>  | 11                             | 55                              | 2         | 1                | 6          | 4              | 1         | 1                   | 17        | 2              | 15        | 8                | 22       | 2              | 10         | 1         | 12         |    |
| Kapuskasing.....      | 359        | 38                  | 3500       | 86900                        | 1               | 63              | 105         | 476                              | 18                             | 56                              | 1         | 2                | 11         | 8              | 1         | 1                   | 17        | 2              | 15        | 8                | 22       | 2              | 10         | 1         | 12         |    |
| Cochrane.....         | 608        | 52                  | 27500      | 120000                       | 3               | 44              | 24          | 658                              | 16                             | 64                              | 1         | 5                | 4          | 20             | 7         | 13                  | 9         | 24             | 2         | 7                | 2        | 7              | 2          | 7         | 1          | 12 |
| Sault Ste. Marie..... | 335        | 2                   | 61         | 263500                       | 165300          | 5               | 154         | 110                              | 1334                           | 15                              | 96        | 1                | 5          | 15             | 4         | 2                   | 9         | 24             | 2         | 7                | 2        | 7              | 2          | 7         | 1          | 12 |
| Sudbury.....          | 6          | 166                 | 3          | 18                           | 11500           | 100750          | 10          | 121                              | 724                            | 780                             | 4         | 75               | 3          | 5              | 16        | 2                   | 1         | 9              | 13        | 3                | 18       | 2              | 7          | 1         | 12         |    |
| North Bay.....        | 12         | 229                 | 3          | 51                           | 9000            | 128150          | 7           | 150                              | 506                            | 10                              | 88        | 3                | 9          | 23             | 2         | 1                   | 8         | 16             | 37        | 1                | 23       | 1              | 23         | 1         | 23         |    |
| Gogama.....           | 60         | 95                  | 1          | 28                           | 10500           | 230500          | 1           | 47                               | 59                             | 539                             | 3         | 57               | 3          | 2              | 6         | 2                   | 6         | 3              | 15        | 1                | 8        | 1              | 8          | 1         | 8          |    |
| Chapleau.....         | 101        | 20                  | 1          | 20                           | 52100           | 2               | 59          | 267                              | 3                              | 58                              | 1         | 2                | 5          | 2              | 5         | 1                   | 1         | 11             | 5         | 14               | 5        | 14             | 1          | 12        |            |    |
| Parry Sound.....      | 86         | 195                 | 4          | 27                           | 17000           | 46900           | 4           | 29                               | 59 <sup>1</sup> / <sub>2</sub> | 401 <sup>1</sup> / <sub>2</sub> | 6         | 50               | 1          | 9              | 7         | 19                  | 5         | 9              | 15        | 8                | 12       | 1              | 12         | 1         | 12         |    |
| Algonquin.....        | 1          | 172                 | 26         | 8000                         | 77400           | 20              | 79          | 16 <sup>1</sup> / <sub>2</sub>   | 940                            | 8                               | 74        | 4                | 2          | 7              | 6         | 2                   | 1         | 21             | 1         | 13               | 1        | 13             | 1          | 13        |            |    |
| Trent.....            | 54         | 10                  | 12000      | 13000                        | 4               | 12000           | 16700       | 10                               | 28                             | 62                              | 279       | 1                | 24         | 1              | 5         | 10                  | 1         | 1              | 10        | 37               | 1        | 23             | 1          | 23        |            |    |
| Quinte.....           | 50         | 208                 | 11         | 2300                         | 5000            | 1               | 5000        | 5000                             | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Rideau.....           | 1          | 14                  | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Lake Simcoe.....      | 1          | 14                  | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Lake Huron.....       | 1          | 1                   | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Lake Erie.....        | 1          | 1                   | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Western Region.....   | 89         | 9                   | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Mid-Western Reg.      | 25         | 6                   | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Northern Region.....  | 100        | 7                   | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Central Region.....   | 111        | 2                   | 4          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Ranger School.....    | 12         | 2                   | 4          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| Head Office.....      | 1          | 1                   | 1          | 1                            | 1               | 1               | 1           | 1                                | 1                              | 1                               | 1         | 1                | 1          | 1              | 1         | 1                   | 1         | 1              | 1         | 1                | 1        | 1              | 1          | 1         | 1          |    |
| <b>Totals.....</b>    | <b>288</b> | <b>20</b>           | <b>729</b> | <b>195,500</b>               | <b>192,1800</b> | <b>126,1321</b> | <b>1705</b> | <b>12464</b>                     | <b>143,1044</b>                | <b>10</b>                       | <b>57</b> | <b>73</b>        | <b>201</b> | <b>3</b>       | <b>47</b> | <b>61</b>           | <b>98</b> | <b>363</b>     | <b>66</b> | <b>229</b>       | <b>6</b> | <b>98</b>      | <b>363</b> | <b>66</b> | <b>229</b> |    |

TABLE No. 10  
STATEMENT OF TRAVEL PERMITS ISSUED

| District         | 1946    |         | 1945    |         | 1944    |         | 1943    |         | 1942    |         | 1941    |         | 1940    |         |
|------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                  | Permits | Persons |
| Sioux Lookout    | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     |
| Kenora           | 1,519   | 4,543   | 570     | 1,642   | 510     | 1,923   | 373     | 1,278   | 662     | 2,225   | 1,107   | 3,175   | 1,185   | 3,796   |
| Fort Frances     | 1,062   | 4,295   | 834     | 3,119   | 541     | 2,427   | 493     | 1,298   | 50      | 178     | 68      | 234     | 66      | 269     |
| Port Arthur      | 1,428   | 11,930  | 312     | 1,639   | 494     | 1,463   | 135     | 506     | 267     | 861     | 381     | 1,377   | 254     | 1,078   |
| Geraldton        | 9       | 14      | 2       | 2       | 5       | 5       | 40      | 60      | 12      | ...     | ...     | ...     | ...     | ...     |
| Kapuskasing      | 96      | 192     | 45      | 103     | 43      | 92      | 51      | 143     | 100     | 222     | 84      | 155     | 55      | 113     |
| Cochrane         | 3,066   | 15,228  | 3,681   | 16,698  | 1,472   | 6,535   | 1,026   | 4,974   | 1,012   | 4,502   | 1,091   | 3,549   | 1,045   | 3,060   |
| Sault Ste. Marie | 3,341   | 11,223  | 1,843   | 6,027   | 1,087   | 3,680   | 926     | 2,970   | 1,478   | 4,674   | 2,707   | 8,402   | 1,982   | 6,320   |
| Sudbury          | 1,819   | 4,992   | 1,370   | 4,544   | 1,077   | 3,191   | 897     | 2,843   | 1,270   | 3,908   | 1,482   | 4,848   | 1,524   | 4,990   |
| Chapleau         | 434     | 1,583   | 531     | 1,833   | 2,167   | 6,507   | 1,851   | 6,399   | 1,543   | 5,505   | 2,438   | 4,919   | 3,128   | 10,677  |
| Gogama           | 3941    | 13,280  | 18,478  | 43,078  | 9,569   | 29,804  | 6,430   | 15,854  | 5,520   | 9,020   | 1,069   | 3,224   | 1,305   | 3,898   |
| North Bay        | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     |
| Parry Sound      | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     |
| Algonquin        | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     |
| Tweed            | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     | ...     |
| Totals           | 35,794  | 112,191 | 20,393  | 70,085  | 13,510  | 41,569  | 11,004  | 28,567  | 8,358   | 24,725  | 11,353  | 36,315  | 10,162  | 33,350  |

TABLE NO. 11  
STATEMENT OF WORK PERMITS ISSUED 1946-47

| District         | Mining Operations |             |                | Woods Operations |                |             | Miscellaneous Operations |             |                | Totals      |  |
|------------------|-------------------|-------------|----------------|------------------|----------------|-------------|--------------------------|-------------|----------------|-------------|--|
|                  | No. of Permits    | Men Engaged | No. of Permits | Men Engaged      | No. of Permits | Men Engaged | No. of Permits           | Men Engaged | No. of Permits | Men Engaged |  |
| Sioux Lookout    | 287               | 1,750       | 48             | 2,073            | 13             | 211         | 348                      | 4,034       |                |             |  |
| Kenora           | 25                | 147         | 87             | 1,417            | 13             | 56          | 125                      | 1,620       |                |             |  |
| Fort Frances     | 21                | 97          | 22             | 917              | 12             | 540         | 43                       | 1,014       |                |             |  |
| Port Arthur      | 87                | 390         | 293            | 3,457            | 23             | 2,918       | 392                      | 4,387       |                |             |  |
| Geraldton        | 85                | 392         | 78             | 5,143            | 186            |             | 186                      | 8,453       |                |             |  |
| Kapuskasing      | 10                | 55          | 141            | 4,991            | 151            |             | 151                      | 5,046       |                |             |  |
| Cochrane         | 524               | 2,686       | 344            | 16,667           | 14             | 293         | 882                      | 19,646      |                |             |  |
| Sault Ste. Marie | 55                | 776         | 148            | 4,126            | 4              | 20          | 207                      | 4,922       |                |             |  |
| Sudbury          | 50                | 263         | 128            | 1,890            | 5              | 37          | 178                      | 2,153       |                |             |  |
| Chapleau         | 18                | 107         | 41             | 5,800            | 1              | 7           | 64                       | 5,944       |                |             |  |
| Gogama           | 95                | 601         | 44             | 1,361            | 1              | 7           | 140                      | 1,969       |                |             |  |
| North Bay        | 250               | 1,336       | 200            | 1,958            | 1              | 450         | 450                      | 3,294       |                |             |  |
| Parry Sound      | 6                 | 41          | 88             | 1,600            | 8              | 310         | 94                       | 1,641       |                |             |  |
| Algoma           | 2                 | 6           | 78             | 1,346            | 8              | 88          | 88                       | 1,662       |                |             |  |
| Tweed            | 17                | 90          | 131            | 1,471            | 148            |             | 148                      | 1,561       |                |             |  |
| Totals           | 1,532             | 8,737       | 1,871          | 54,217           | 93             | 4,392       | 3,496                    | 67,346      |                |             |  |
| 1945-1946        | 1,209             | 6,611       | 1,520          | 39,496           | 70             | 1,173       | 2,799                    | 47,280      |                |             |  |
| 1944-1945        | 1,047             | 4,702       | 915            | 29,047           | 211            | 1,178       | 2,173                    | 34,927      |                |             |  |
| 1943-1944        | 750               | 3,507       | 990            | 29,292           | 532            | 1,641       | 2,272                    | 34,440      |                |             |  |
| 1942-1943        | 761               | 3,633       | 868            | 34,463           | 197            | 2,098       | 1,826                    | 40,194      |                |             |  |
| 1941-1942        | 1,285             | 6,048       | 834            | 35,043           | 132            | 4,988       | 2,251                    | 46,079      |                |             |  |
| 1940-1941        | 1,760             | 8,817       | 816            | 34,934           | 108            | 2,975       | 2,684                    | 46,726      |                |             |  |

TABLE NO. 12  
STATEMENT OF FIRE PERMITS ISSUED

| District              | Number of Permits |       |       |       |       |       |        |
|-----------------------|-------------------|-------|-------|-------|-------|-------|--------|
|                       | 1946              | 1945  | 1944  | 1943  | 1942  | 1941  | 1940   |
| Sioux Lookout.....    | 217               | 77    | 71    | 137   | 123   | 232   | 215    |
| Kenora.....           | 671               | 488   | 447   | 530   | 470   | 376   | 791    |
| Fort Frances.....     | 136               | 140   | 90    | 75    | 195   | 203   | 300    |
| Port Arthur.....      | 1,246             | 631   | 614   | 554   | 529   | 563   | 1,671  |
| Geraldton.....        | 289               | 76    | 99    | 60    | 101   | ..... | .....  |
| Kapuskasing.....      | 1,174             | 635   | 226   | 261   | 1,677 | 947   | 2,757  |
| Cochrane.....         | 1,944             | 1,676 | 1,258 | 1,241 | 2,555 | 2,275 | 3,397  |
| Sault Ste. Marie..... | 248               | 984   | 117   | 154   | 217   | 288   | 361    |
| Sudbury.....          | 1,053             | 627   | 998   | 1,052 | 979   | 886   | 1,436  |
| Chapleau.....         | 70                | ..... | ..... | ..... | ..... | ..... | .....  |
| Gogama.....           | 102               | ..... | ..... | ..... | ..... | ..... | .....  |
| North Bay.....        | 1,004             | 74    | 784   | 834   | 1,129 | 1,458 | 2,885  |
| Parry Sound.....      | 442               | 205   | 210   | 174   | 300   | 306   | 303    |
| Algonquin.....        | 125               | 69    | 88    | 42    | 74    | 124   | 178    |
| Tweed.....            | 219               | 82    | 104   | 128   | 193   | 175   | 228    |
| Totals.....           | 8,940             | 5,764 | 5,106 | 5,242 | 8,542 | 7,833 | 14,522 |

TABLE NO. 13  
MEANS OF FIRE DETECTION—1946

| District              | No. of fires detected by |              |              |              | Total No.<br>of Fires |
|-----------------------|--------------------------|--------------|--------------|--------------|-----------------------|
|                       | Air<br>Service           | Towers       | Rangers      | Public       |                       |
| Sioux Lookout.....    | 29                       | 26           | 14           | 22           | 91                    |
| Kenora.....           | 47                       | 43           | 25           | 45           | 160                   |
| Fort Frances.....     | 18                       | 20           | 7            | 21           | 66                    |
| Port Arthur.....      | 17                       | 33           | 13           | 39           | 102                   |
| Geraldton.....        | 12                       | 10           | 5            | 22           | 49                    |
| Kapuskasing.....      | 8                        | 3            | 7            | 18           |                       |
| Cochrane.....         | 10                       | 58           | 43           | 29           | 140                   |
| Sault Ste. Marie..... | 15                       | 27           | 28           | 72           | 142                   |
| Sudbury.....          | 11                       | 113          | 40           | 111          | 275                   |
| Chapleau.....         | 2                        | 7            | 1            | 6            | 16                    |
| Gogama.....           | 3                        | 6            | 2            | 13           | 24                    |
| North Bay.....        | 6                        | 30           | 32           | 40           | 108                   |
| Parry Sound.....      | 18                       | 78           | 32           | 164          | 292                   |
| Algonquin.....        | 9                        | 18           | 10           | 48           | 85                    |
| Tweed.....            |                          | 138          | 5            | 28           | 171                   |
| Totals.....           | 197<br>11.3%             | 615<br>35.3% | 260<br>15.0% | 667<br>38.4% | 1,739<br>100%         |

TABLE No. 14  
FIRE DAMAGE TABLE—1946

| District         | F.B.M.     | Sawlogs   |          | Pulpwood  |        | Ties  |          | Fuelwood |       | Cedar Poles |          | Cedar Poles |           | Protection Charges |           | Total Timber Damage |    | Property Damage |    |
|------------------|------------|-----------|----------|-----------|--------|-------|----------|----------|-------|-------------|----------|-------------|-----------|--------------------|-----------|---------------------|----|-----------------|----|
|                  |            |           |          |           |        |       |          |          |       |             |          |             |           |                    |           |                     |    |                 |    |
|                  |            | No.       | \$       | Cords     | \$     | No.   | \$       | Cords    | \$    | No.         | \$       | No.         | \$        | No.                | \$        | No.                 | \$ | No.             | \$ |
| Sioux Lookout... | 7,800      | 19.50     | 3,130    | 3,321.00  | ...    | 2,767 | 1,101.75 | ...      | 21.00 | 28          | ...      | 4,909.75    | 20.41     | 9,372.41           | 8,600.00  |                     |    |                 |    |
| Kenora....       | 290,400    | 185       | 254.10   | 100       | 10.00  | 3,389 | 1,237.25 | 100      | 2.00  | ...         | 5,153.75 | 4,507.00    | 11,495.50 | 12,812.50          |           |                     |    |                 |    |
| Fort Frances...  | 285,000    | 378       | 177.90   | 500       | 50.00  | ...   | ...      | ...      | ...   | 926.20      | 1.5.40   | 1.454.50    | 500.00    |                    |           |                     |    |                 |    |
| Port Arthur...   | 13,082,500 | 3,807     | 5,070.80 | 127       | 12.70  | 2,292 | 1,030.95 | ...      | ...   | 4,255.89    | 705.07   | 41,975.66   | 47,678.00 |                    |           |                     |    |                 |    |
| Geraldton...     | 100        | 140.00    | 71       | 86.10     | 50     | 5.00  | 356      | 146.65   | ...   | 510.92      | 2.59     | 800.16      | 63,977.18 |                    |           |                     |    |                 |    |
| Kapuskasing...   | 420        | 4,825     | 10.06    | 420       | 507.20 | ...   | 125      | 75.00    | ...   | 15.85       | ...      | 181.95      | 18,279.25 |                    |           |                     |    |                 |    |
| Cochrane...      | 131        | 140,000   | 115.00   | 140.40    | 112    | 11.20 | 1,257    | 802.80   | ...   | 13.11       | 100.27   | 1,433.44    | 12,048.80 |                    |           |                     |    |                 |    |
| Salt Ste. Marie  | 120,100    | 298,05    | 221      | 118.90    | ...    | 1,203 | 438.45   | 115      | 2.30  | 600         | 150.00   | 600.80      | 1,192.40  | 7,504.00           |           |                     |    |                 |    |
| Sudbury...       | 20,975     | 56.44     | 185      | 258.30    | ...    | 67    | 45.75    | ...      | ...   | 494.29      | 262.06   | 1,614.05    | 7,896.50  |                    |           |                     |    |                 |    |
| Chapleau...      | 300        | 2.40      | 27       | 31.10     | ...    | ...   | ...      | ...      | ...   | ...         | ...      | 360.49      | 360.49    | ...                |           |                     |    |                 |    |
| Gogama...        | 180,100    | 439.95    | 565      | 391.00    | ...    | 5.507 | 1,496.25 | ...      | ...   | 711.22      | .58      | 36.26       | 10,550.00 |                    |           |                     |    |                 |    |
| North Bay...     | 86,800     | 181.80    | 2,725    | 1,121.50  | 100    | 10.00 | 2,989    | 1,494.50 | ...   | 1,800.91    | 87.81    | 3,126.23    | 43,650.00 |                    |           |                     |    |                 |    |
| Parry Sound...   | 114,746    | 334.51    | 5        | 2.00      | ...    | 196   | 145.50   | ...      | ...   | 402.68      | 5.563.04 | 38,273.70   | 50.00     |                    |           |                     |    |                 |    |
| Algonquin...     | 229,800    | 2,101.75  | 129      | 176.40    | ...    | 699   | 368.80   | ...      | ...   | 76.05       | 526.42   | 968.72      | 50.00     |                    |           |                     |    |                 |    |
| Wheat...         |            |           |          |           |        |       |          |          |       |             |          |             |           |                    |           |                     |    |                 |    |
| Totals....       | 14,127,346 | 35,035.11 | 12,079   | 11,796.70 | 989    | 98.90 | 21,197   | 8,578.65 | 215   | 4.30        | 628      | 171.00      | 19,873.60 | 7,265.97           | 82,824.23 | 273,049.93          |    |                 |    |



BEAUTIFUL COTTAGE SITES ARE AVAILABLE ON CROWN LANDS.

## DIVISION OF LAND AND RECREATIONAL AREAS

The volume of work completed in connection with certain phases of land administration increased during the last fiscal year, as will be seen by the tables and graphs forming part of this Section. This is due to more advanced methods of administration, a properly trained staff, and improved inspection facilities. More rapid handling of current transactions and a continued increase in the number of long outstanding cases brought to a satisfactory conclusion have been gratifying.

### *Summer Resort Lands*

Sales of summer resort lands, for both private and commercial use, increased over an all-time high during the fiscal year 1945-46, and although the number of patents issued also increased, the increase would have been considerably greater had it been possible to secure the services of Ontario Land Surveyors to do the necessary survey work.

### *Agricultural and Allied Uses*

An increase in the number of transactions completed involving lands for special use, agricultural lands in sale townships, and agricultural lands in free grant townships, collectively, is shown. It was expected that the sale of land for this purpose would decrease, in that it was assumed that the demand would fall off, due to continued favorable economic conditions. The large percentage of sales and patents completed, especially under the special use section, is the result directly of improved methods of administration, inspection facilities, and more efficiently trained staff, as stated above.

### *Provincial Parks*

There was no change made in the status of Provincial Parks, of which there are six, as follows:

|                      |                 |
|----------------------|-----------------|
| Algonquin .....      | 2,741 Sq. Miles |
| Quetico.....         | 1,720 Sq. Miles |
| Rondeau.....         | 8 Sq. Miles     |
| Lake Superior.....   | 540 Sq. Miles   |
| Sibley.....          | 63 Sq. Miles    |
| Ipperwash Beach..... | 109 Acres       |

### *Veterans' Lands*

An agreement was concluded between the Dominion and Provincial Governments, which became effective on April 10th, 1946, and which provides for the establishment of qualified veterans on Crown lands in Ontario. The agreement is generally known as "The Ontario Dominion-Provincial Agreement" and it was made under and by virtue of Section 35 of the Veterans' Land Act (Dominion) 1942. The Provincial Government is responsible under the agreement for the allocation of Provincial lands, providing inspection reports and extending all services ordinarily provided for persons other than veterans. At the close of the first year of operation, agreements for sale and licenses of occupation, completed, total nineteen. Twelve applications are pending, and two were cancelled. These transactions are summarized in the table included herein. It is expected that the number of cases which will be referred to this Department for consideration during the ensuing year will be considerably increased. The opportunities available to qualified veterans have been more fully advertised, resulting in steadily increasing interest to participate, particularly due to the fact that the

assistance granted is not repayable; payment of purchase price of land in the case of first-land application is waived by the Province, and in the case of the veteran, who has actively served in the armed services overseas, or one full year in Canada, and has resumed residence and settlement duties, he is absolved from payment of all amounts of principal and interest which may be owing in respect of land purchase price and improvement charges.

#### *Tourist Outfitters' Camps*

A prosperous tourist trade during the 1945 season, exceeding the pre-war volume, served to stimulate the growing interest in post-war expansion. Whereas the erection of 149 new camps was authorized the previous year, over 400 applications for permits were considered in 1946, of which 328 were granted as at March 31st, 1947. There was also much activity in the rehabilitation and expansion of established camps. The acute shortage of basic building materials did, however, retard the anticipated expansion in the industry, as only 171 new camps were completed and licensed to operate. 856 current licenses were issued, an annual increase of 35%, including 51 camps which had not operated during the war. 111 licenses were issued at a non-resident fee of \$25.00 each, and 745 at a resident fee of \$10.00 each. (See table).

#### STATISTICAL TABLES AND GRAPHS

Transactions for the fiscal year ending March 31, 1947.

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TABLE No. 1  
 Summary of transactions under  
 THE ONTARIO DOMINION-PROVINCIAL AGREEMENT

|  |    |
|--|----|
| First lands.....                               | 8  |
| Conversion from former sales or locations..... | 10 |
| Licence of Occupation.....                     | 1  |
| Awaiting survey only.....                      | 6  |
| Before the Department for consideration.....   | 6  |
| Applications cancelled.....                    | 2  |
| <br>A Total of.....                            | 33 |

TABLE No. 2  
 TOURIST OUTFITTERS' CAMP LICENCES  
 Summary by Districts  
 — 1946 —

| District         | Licensed<br>Camps |
|------------------|-------------------|
| Algoma.....      | 120               |
| Cochrane.....    | 11                |
| Kenora.....      | 196               |
| Manitoulin.....  | 73                |
| Nipissing.....   | 120               |
| Parry Sound..... | 164               |
| Patricia.....    | 5                 |
| Rainy River..... | 35                |
| Renfrew.....     | 15                |
| Sudbury.....     | 78                |
| Timiskaming..... | 12                |
| Thunder Bay..... | 27                |

TABLE NO. 3  
AGRICULTURAL LAND  
Transactions for the fiscal year ending March 31, 1947

| Administrative District | District Forester | Sales |          | Cancellations |          | Assignments |          | Patents |          |
|-------------------------|-------------------|-------|----------|---------------|----------|-------------|----------|---------|----------|
|                         |                   | No.   | Acres    | No.           | Acres    | No.         | Acres    | No.     | Acres    |
| Algonquin.....          | G. H. R. Phillips | 16    | 1282.00  | 3             | 187.00   | 2           | 200.00   | 20      | 2046.92  |
| Cochrane.....           | A. S. Bray.....   | 32    | 2596.42  | 71            | 5720.58  | 62          | 6190.09  | 84      | 9145.05  |
| Fort Frances.....       | G. Delahey.....   | 29    | 2781.50  | 14            | 490.05   | 4           | 393.50   | 16      | 1333.38  |
| Geraldton.....          | U. W. Fiskar..... |       |          | 1             | 51.00    | 3           | 53.25    | 1       | 50.30    |
| Kapuskasing.....        | E. L. Ward.....   | 20    | 1514.42  | 105           | 9109.45  | 38          | 3484.72  | 51      | 5424.51  |
| Kenora.....             | G. F. Meyer.....  | 20    | 2132.81  | 13            | 697.87   | 7           | 983.75   | 11      | 955.03   |
| Main Office.....        | Main Office.....  |       |          |               |          |             |          | 3       | 253.50   |
| North Bay.....          | T. E. Sider.....  | 26    | 2583.41  | 58            | 5474.06  | 37          | 3717.28  | 50      | 5272.75  |
| Parry Sound.....        | R. L. Snow.....   | 8     | 764.00   | 1             | 1.00     |             |          | 14      | 1417.00  |
| Port Arthur.....        | R. Boulbee.....   | 36    | 4362.70  | 40            | 4072.75  | 20          | 2523.00  | 50      | 6862.56  |
| Sault Ste. Marie.....   | A. Leman.....     | 1     | 136.50   | 2             | 223.50   | 2           | 174.50   | 10      | 883.23   |
| Sioux Lookout.....      | K. Acheson.....   |       |          |               |          | 1           | 79.75    |         |          |
| Sudbury.....            | T. Thorpe.....    | 48    | 5607.79  | 25            | 2895.59  | 35          | 3692.64  | 46      | 5233.99  |
| Tweed.....              | A. Crealock.....  | 66    | 5995.67  | 5             | 548.00   | 11          | 1309.50  | 77      | 13311.47 |
| Totals.....             |                   | 303   | 29757.22 | 338           | 29470.85 | 222         | 22801.99 | 433     | 52189.69 |

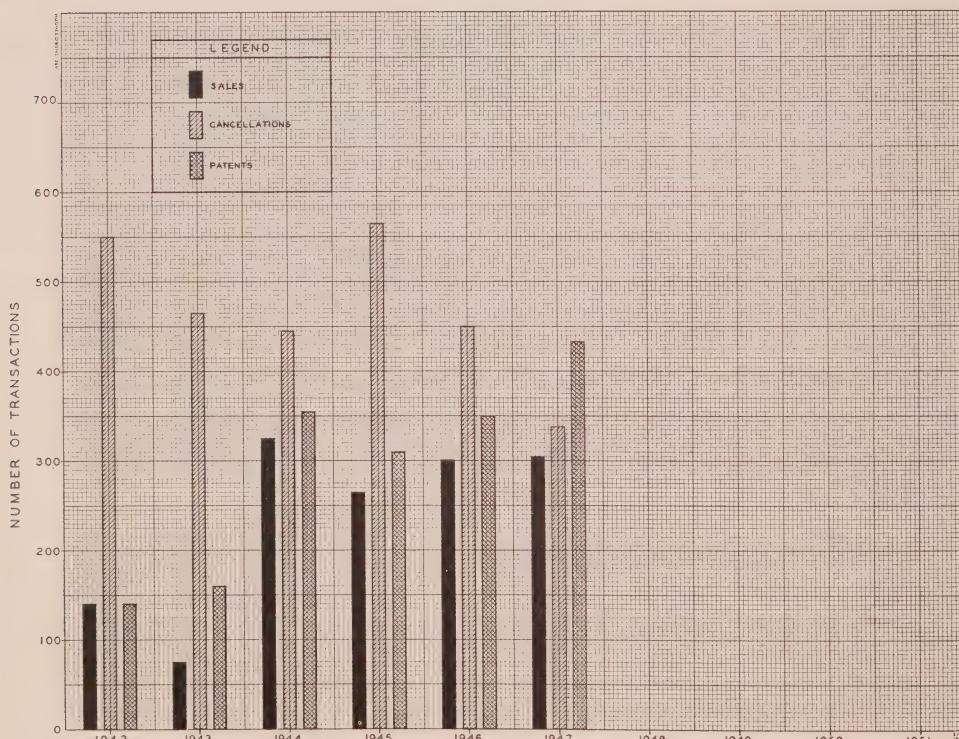


Fig. 1—AGRICULTURAL LAND IN SALE TOWNSHIPS.

TABLE No. 4  
FREE GRANT LAND (including soldiers' land)  
Transactions for the fiscal year ending March 31, 1947

| Administrative District | District Forester | Locations |         | Cancellations |          | Assignments |          | Patents |          |
|-------------------------|-------------------|-----------|---------|---------------|----------|-------------|----------|---------|----------|
|                         |                   | No.       | Acres   | No.           | Acres    | No.         | Acres    | No.     | Acres    |
| Algonquin.....          | G. H. R. Phillips | 5         | 462.00  | 31            | 3029.99  | 1           | 152.00   | 9       | 816.31   |
| Cochrane.....           | A. S. Bray.....   | 9         | 711.03  | 9             | 943.25   | 4           | 384.83   | 6       | 501.50   |
| Fort Frances...         | G. Delahey...     | 6         | 688.62  | 53            | 7374.00  | 12          | 1864.75  | 26      | 3797.00  |
| Kapuskasing...          | E. L. Ward...     | 1         | 102.00  | 3             | 225.50   | 1           | 100.00   |         |          |
| Kenora.....             | G. F. Meyer...    | 14        | 1765.75 | 39            | 4914.55  | 26          | 3211.35  | 30      | 4299.12  |
| Lindsay.....            | A. B. Wheatley    |           |         | 2             | 270.00   | 1           | 95.00    |         |          |
| North Bay.....          | T. E. Sider...    | 7         | 609.00  | 108           | 12202.18 | 11          | 1079.75  | 17      | 1692.72  |
| Parry Sound...          | R. L. Snow...     | 5         | 493.00  | 28            | 3310.71  | 7           | 890.50   | 16      | 2106.00  |
| Port Arthur...          | R. Boultee...     | 11        | 1640.50 | 60            | 7722.75  | 23          | 3361.24  | 38      | 5127.46  |
| Sault Ste. Marie        | A. Leman.....     |           |         | 1             | 80.00    |             |          | 1       | 127.00   |
| Sioux Lookout..         | K. Acheson...     |           |         | 1             | 160.00   | 3           | 317.75   |         |          |
| Sudbury.....            | T. Thorpe...      | 10        | 1319.00 | 15            | 1759.59  | 14          | 2125.25  | 23      | 2972.86  |
| Tweed.....              | A. Crealock...    | 5         | 453.00  | 99            | 9914.00  | 19          | 1941.50  | 2       | 228.80   |
| Totals.....             |                   | 73        | 8243.90 | 449           | 51906.52 | 122         | 15523.92 | 168     | 21668.77 |

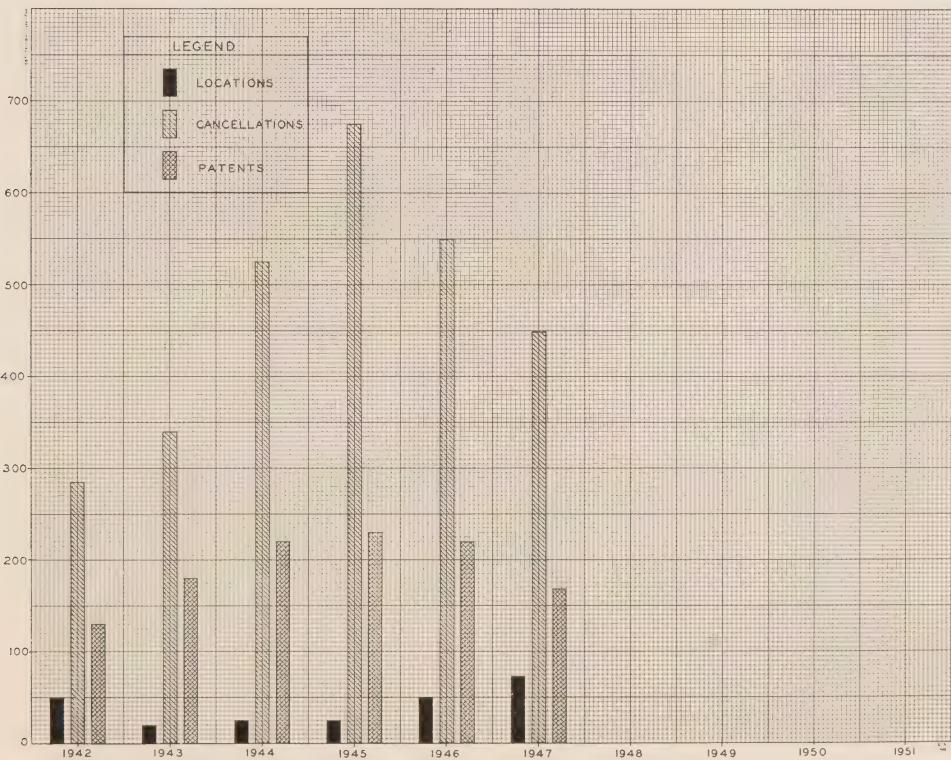


Fig. 2—AGRICULTURAL LAND IN FREE GRANT TOWNSHIPS  
(including soldiers' land).

TABLE NO. 5  
LAND FOR SPECIAL USE  
Transactions for the fiscal year ending March 31, 1947

| Administrative District | District Forester | Sales |          | Cancellations |       | Assignments |        | Patents |          |
|-------------------------|-------------------|-------|----------|---------------|-------|-------------|--------|---------|----------|
|                         |                   | No.   | Acres    | No.           | Acres | No.         | Acres  | No.     | Acres    |
| Algonquin.....          | G. H. R. Phillips | 19    | 863.02   | .....         | ..... | .....       | .....  | 15      | 60.59    |
| Cochrane.....           | A. S. Bray.....   | 4     | 308.05   | .....         | ..... | 1           | 3.59   | 1       | 1.00     |
| Chapleau.....           | F. J. Dawson..... | 2     | 106.17   | .....         | ..... | .....       | .....  | .....   | .....    |
| Fort Frances.....       | G. Delahey.....   | 8     | 504.15   | .....         | ..... | .....       | .....  | 3       | 284.50   |
| Geraldton.....          | U. W. Fiskar..... | 3     | 149.70   | .....         | ..... | .....       | .....  | 9       | 5891.78  |
| Kapuskasing.....        | E. L. Ward.....   | 1     | 75.00    | .....         | ..... | .....       | .....  | .....   | .....    |
| Kenora.....             | G. F. Meyer.....  | 9     | 246.82   | .....         | ..... | .....       | .....  | 19      | 398.19   |
| Main Office.....        | Main Office.....  | 28    | 609.04   | .....         | ..... | .....       | .....  | 23      | 727.89   |
| North Bay.....          | T. E. Sider.....  | 14    | 788.07   | .....         | ..... | 3           | 121.61 | 5       | 176.40   |
| Parry Sound.....        | R. L. Snow.....   | 17    | 376.52   | .....         | ..... | .....       | .....  | 11      | 68.30    |
| Port Arthur.....        | R. Boultbee.....  | 4     | 3076.80  | .....         | ..... | .....       | .....  | 4       | 401.26   |
| Sault Ste. Marie.....   | A. Leman.....     | 7     | 176.82   | .....         | ..... | .....       | .....  | 10      | 141.80   |
| Sioux Lookout.....      | K. Acheson.....   | 8     | 92.93    | .....         | ..... | 1           | 6.82   | 1       | .23      |
| Sudbury.....            | T. Thorpe.....    | 27    | 1600.13  | .....         | ..... | 1           | 2.03   | 13      | 761.70   |
| Tweed.....              | A. Crealock.....  | 60    | 5320.71  | .....         | ..... | .....       | .....  | 31      | 4359.35  |
| Totals.....             | .....             | 211   | 14293.96 | .....         | ..... | 6           | 134.05 | 145     | 13272.99 |

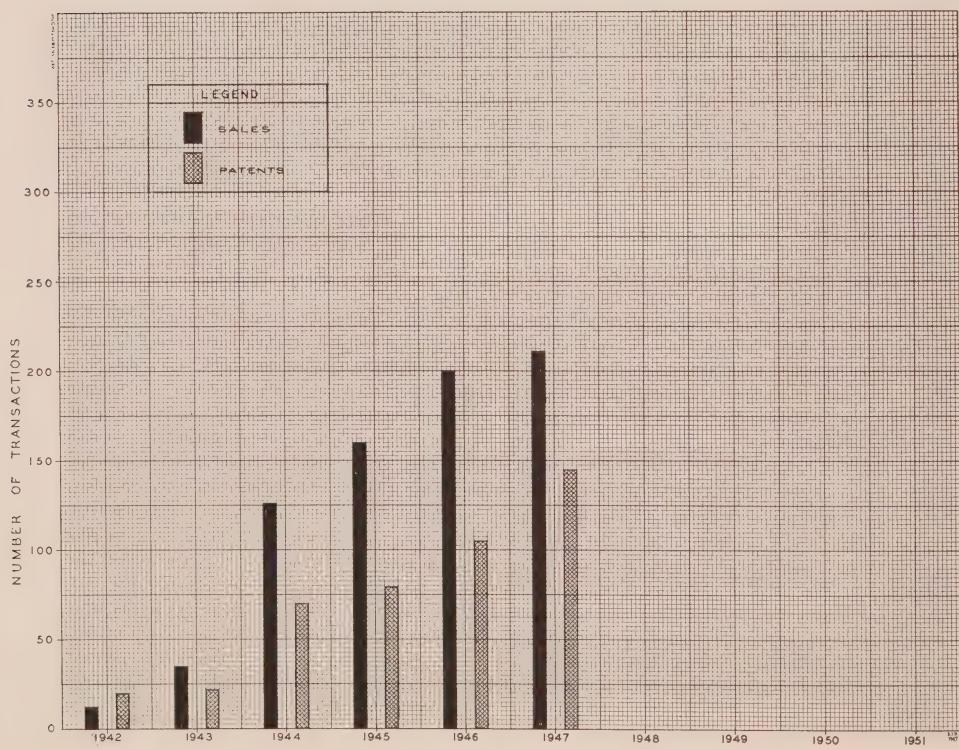


Fig. 3—LANDS FOR SPECIAL USE.

TABLE No. 6  
SUMMER RESORT LANDS  
Transactions for the fiscal year ending March 31, 1947

| Administrative District | District Forester | Sales |         | Cancellations |       | Assignments |        | Patents |         |
|-------------------------|-------------------|-------|---------|---------------|-------|-------------|--------|---------|---------|
|                         |                   | No.   | Acres   | No.           | Acres | No.         | Acres  | No.     | Acres   |
| Algonquin.....          | G. H. R. Phillips | 19    | 41.44   | .....         | ..... | 3           | 5.30   | 5       | 12.44   |
| Cochrane.....           | A. S. Bray.....   | 7     | 8.62    | .....         | ..... | 1           | 0.66   | 1       | .66     |
| Fort Frances.....       | G. Delahey.....   | 31    | 121.04  | 1             | 0.33  | .....       | .....  | 43      | 206.63  |
| Geraldton.....          | U. W. Fiskar..... | 5     | 16.48   | .....         | ..... | .....       | .....  | 4       | 13.42   |
| Gogama.....             | J. Taylor.....    | 2     | 0.96    | .....         | ..... | .....       | .....  | .....   | .....   |
| Kapuskasing.....        | E. L. Ward.....   | 5     | 3.10    | .....         | ..... | 1           | 5.09   | .....   | .....   |
| Kenora.....             | G. F. Meyer.....  | 123   | 285.99  | 1             | .60   | 5           | 8.30   | 123     | 306.97  |
| Main Office.....        | Main Office.....  | 2     | 0.81    | .....         | ..... | .....       | .....  | 5       | 19.52   |
| North Bay.....          | T. E. Sider.....  | 96    | 247.74  | 1             | 2.16  | 6           | 15.33  | 44      | 140.68  |
| Parry Sound.....        | R. L. Snow.....   | 97    | 275.90  | 1             | 1.3   | 6           | 14.10  | 60      | 201.97  |
| Port Arthur.....        | R. Boulbee.....   | 37    | 113.23  | .....         | ..... | .....       | .....  | 36      | 358.30  |
| Sault Ste. Marie.....   | A. Leman.....     | 74    | 237.45  | .....         | ..... | 4           | 9.83   | 31      | 86.44   |
| Sioux Lookout.....      | K. Acheson.....   | 4     | 15.56   | .....         | ..... | 1           | 3.4    | 7       | 29.64   |
| Sudbury.....            | T. Thorpe.....    | 114   | 369.02  | 1             | 0.38  | 7           | 120.94 | 88      | 296.91  |
| Tweed.....              | A. Crealock.....  | 51    | 103.88  | 1             | 2.00  | 3           | 3.36   | 49      | 91.37   |
| Totals.....             | .....             | 666   | 1841.25 | 6             | 6.77  | 37          | 186.31 | 496     | 1764.95 |

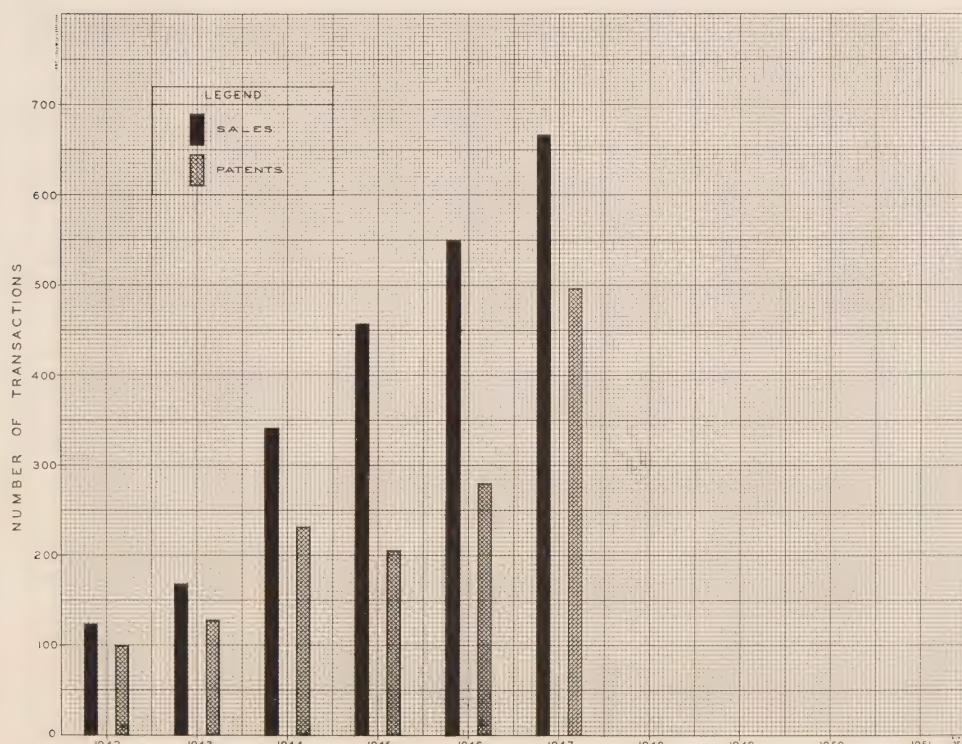


Fig. 4—SUMMER RESORT LANDS.

TABLE No. 7  
CITIES, TOWNS AND TOWNSITES  
Transactions for the fiscal year ending March 31, 1947

| Administrative District | District Forester | Sales |        | Cancellations |       | Assignments |       | Patents |        |
|-------------------------|-------------------|-------|--------|---------------|-------|-------------|-------|---------|--------|
|                         |                   | No.   | Acres  | No.           | Acres | No.         | Acres | No.     | Acres  |
| Algonquin.....          | G. H. R. Phillips | 1     | 2.00   |               |       | 2           | .65   | 1       | 2.00   |
| Cochrane.....           | A. S. Bray.....   | 33    | 29.90  |               |       | 7           | 1.49  | 26      | 13.02  |
| Fort Frances.....       | G. Delahey.....   |       |        |               |       |             |       | 1       | 2.10   |
| Geraldton.....          | U. W. Fiskar..... | 18    | 2.85   |               |       | 1           | .17   | 19      | 2.71   |
| Gogama.....             | J. Taylor.....    | 23    | 3.84   |               |       | 1           | .88   |         |        |
| Kapuskasing.....        | E. L. Ward.....   | 58    | 39.52  | 2             | .48   | 2           | .50   | 14      | 15.54  |
| Kenora.....             | G. F. Meyer.....  | 14    | 5.88   | 1             | .23   | 1           | .30   | 11      | 8.51   |
| Main Office.....        | Main Office.....  | 18    | 28.81  |               |       |             |       | 27      | 89.25  |
| North Bay.....          | T. E. Sider.....  | 7     | 5.03   |               |       |             |       | 2       | .70    |
| Parry Sound.....        | R. L. Snow.....   | 1     | 0.25   | 1             | 1.00  |             |       | 11      | 2.55   |
| Port Arthur.....        | R. Boulbee.....   | 7     | 1.35   |               |       | 1           | .13   | 18      | 7.62   |
| Sault Ste. Marie.....   | A. Leman.....     | 33    | 6.33   |               |       |             |       | 22      | 8.28   |
| Sioux Lookout.....      | K. Acheson.....   | 28    | 7.55   | 1             | .22   | 12          | 2.53  | 25      | 12.42  |
| Sudbury.....            | T. Thorpe.....    | 34    | 4.58   | 4             | 0.46  |             |       | 11      | 10.22  |
| Tweed.....              | A. Crealock.....  |       |        |               |       |             |       | 1       | .47    |
| Totals.....             |                   | 275   | 137.92 | 9             | 2.39  | 27          | 6.67  | 249     | 175.39 |

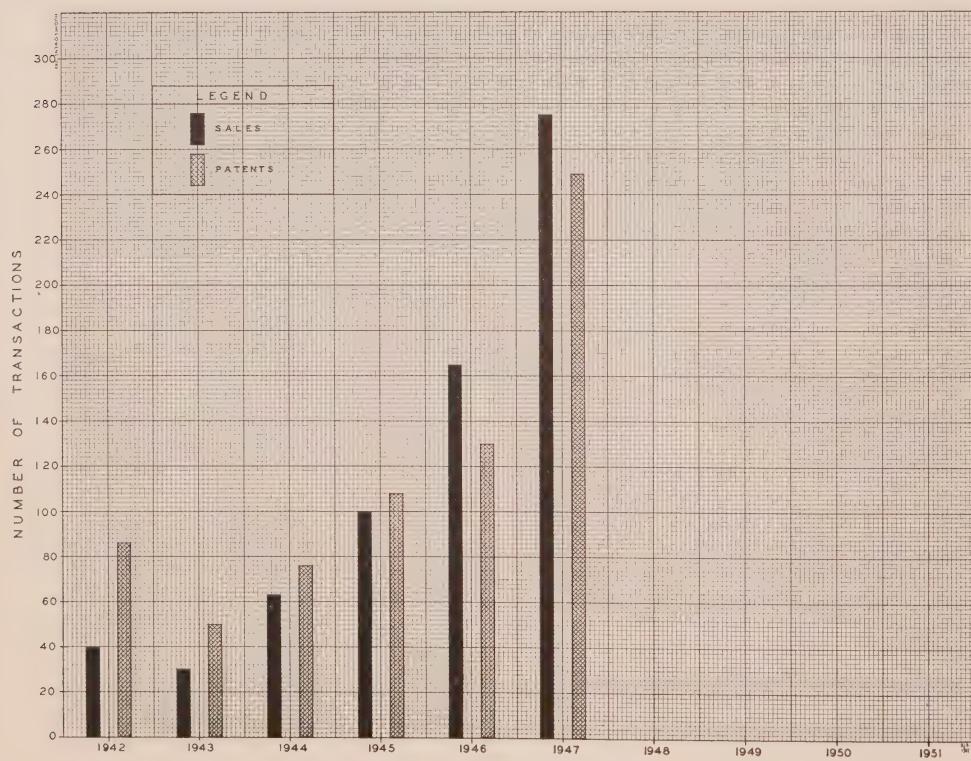


Fig. 5—CITY, TOWN AND TOWNSITE LANDS.

TABLE No. 8  
LAND USED PERMITS APRIL 1, 1946—MARCH 31, 1947

| Administrative District                  | Dwelling and Garden |         | Sawmill Sites |        | Boathouse Sites |       | Hunt Camp Sites |        | Agricultural |          | Hay Cutting |         | Trappers Camps |        | Miscellaneous |        | Sugar Bush |        | Department Owned Houses No. |       |
|--|---------------------|---------|---------------|--------|-----------------|-------|-----------------|--------|--------------|----------|-------------|---------|----------------|--------|---------------|--------|------------|--------|-----------------------------|-------|
|  | No.                 | Acres   | No.           | Acres  | No.             | Acres | No.             | Acres  | No.          | Acres    | No.         | Acres   | No.            | Acres  | No.           | Acres  | No.        | Acres  | No.                         | Acres |
| Algonquin.....                           | 21                  | 61.00   | 4             | 58.85  | 10              | 3.75  | 7               | 7.25   | 2            | 24.00    | ...         | ...     | ...            | ...    | 15            | 9.75   | 1          | 10.00  | 24                          | 12    |
| Chapleau.....                            | 24                  | 19.10   | 4             | 24.50  | 10              | 3.65  | 1               | 5.00   | 37           | 297.00   | 20          | 174.50  | 1              | 5.00   | 3             | 162.00 | ...        | ...    | ...                         | ...   |
| Cochrane.....                            | 14                  | 57.00   | 14            | 81.00  | 10              | 3.65  | .50             | 4      | 26.75        | 2        | 255.00      | 1       | 199.00         | ...    | 1             | 25     | 76.00      | ...    | ...                         | ...   |
| Fort Frances.....                        | 21                  | 10.50   | 2             | 37.50  | 2               | ...   | ...             | ...    | 1            | 16.00    | ...         | ...     | ...            | ...    | ...           | ...    | ...        | ...    | ...                         | ...   |
| Geraldton.....                           | 1                   | 50.00   | 6             | 49.00  | ...             | ...   | 3               | 2.50   | 9            | 70.75    | ...         | ...     | ...            | ...    | 2             | 6.00   | ...        | ...    | ...                         | 4     |
| Gogama.....                              | 25                  | 70.86   | 3             | 34.00  | 1               | ...   | .50             | ...    | 1.5          | 234.00   | 4           | 23.00   | 1              | 1.00   | 3             | 7.34   | ...        | ...    | ...                         | ...   |
| Kapuskasing.....                         | 1                   | 150.00  | 7             | 61.00  | 1               | ...   | 21.48           | ...    | 2            | 2.00     | 2           | 158.00  | ...            | 2      | 81.00         | 8      | 25.75      | ...    | ...                         | ...   |
| Kenora.....                              | 4                   | 13.25   | 3             | 20.00  | ...             | ...   | ...             | 4      | 3.00         | ...      | ...         | ...     | ...            | ...    | ...           | ...    | ...        | ...    | ...                         | ...   |
| Lindsay.....                             | 2                   | ...     | ...           | ...    | ...             | ...   | ...             | ...    | ...          | ...      | ...         | ...     | ...            | ...    | ...           | ...    | ...        | ...    | ...                         | ...   |
| Angus-Midhurst }<br>Orono-St. Williams } | ...                 | ...     | ...           | ...    | ...             | ...   | ...             | ...    | ...          | ...      | ...         | ...     | ...            | ...    | ...           | ...    | ...        | ...    | ...                         | 264   |
| Napanee.....                             | 51                  | 331.50  | 38            | 184.32 | 7               | 7.05  | 44              | 39.50  | 16           | 1332.00  | 6           | 588.50  | 9              | 7.50   | 5             | 10.00  | 4          | 106.00 | 1                           |       |
| North Bay.....                           | 54                  | 95.65   | 10            | 46.00  | 9               | 4.50  | .58             | 149.50 | 14           | 188.50   | 1           | 9.50    | 5              | 3.50   | 10            | 11.25  | 3          | 25.00  | 3                           |       |
| Parry Sound.....                         | 24                  | 62.90   | 3             | 21.85  | 3               | 1.75  | 12              | 10.25  | 3            | 70.00    | ...         | ...     | ...            | ...    | 5             | 1.75   | 1          | 10.00  | ...                         | ...   |
| Pembroke.....                            | 14                  | 74.30   | 39            | 70.00  | ...             | ...   | 3               | 4.00   | 1            | 125.00   | ...         | ...     | ...            | ...    | 2             | 22.00  | ...        | ...    | ...                         | 2     |
| Pont Arthur.....                         | 148                 | 74.00   | ...           | ...    | ...             | ...   | ...             | ...    | ...          | ...      | ...         | ...     | ...            | ...    | 5             | 1.25   | ...        | ...    | ...                         | ...   |
| Rondeau Park.....                        | 40                  | 54.79   | 4             | 10.50  | ...             | ...   | 1.5             | 13.19  | 1            | 84.00    | ...         | ...     | 5              | 5.00   | 3             | 3.50   | 1          | 20.00  | 8                           |       |
| Sault Ste. Marie.....                    | 28                  | 69.00   | 1             | 10.00  | 13              | 5.50  | 32              | 33.00  | 2            | 1002.00  | ...         | ...     | 2              | 2.00   | 19            | 80.16  | ...        | ...    | ...                         |       |
| Sioux Lookout.....                       | 85                  | 368.00  | 31            | 217.00 | 13              | 5.50  | 32              | 33.00  | 79           | 6133.25  | 3           | 83.00   | 2              | 2.00   | 19            | 369.00 | ...        | ...    | ...                         |       |
| Sudbury.....                             | 13                  | 22.75   | 3             | 34.66  | 1               | .50   | 106             | 103.50 | 17           | 1099.00  | 3           | 22.00   | ...            | ...    | 9             | 37.75  | ...        | ...    | ...                         | ...   |
| Tweed.....                               | 570                 | 1604.60 | 172           | 961.66 | 56              | 27.70 | 391             | 399.44 | 201          | 13762.50 | 38          | 1099.50 | 25             | 105.00 | 95            | 823.75 | 10         | 171.00 | 330                         |       |

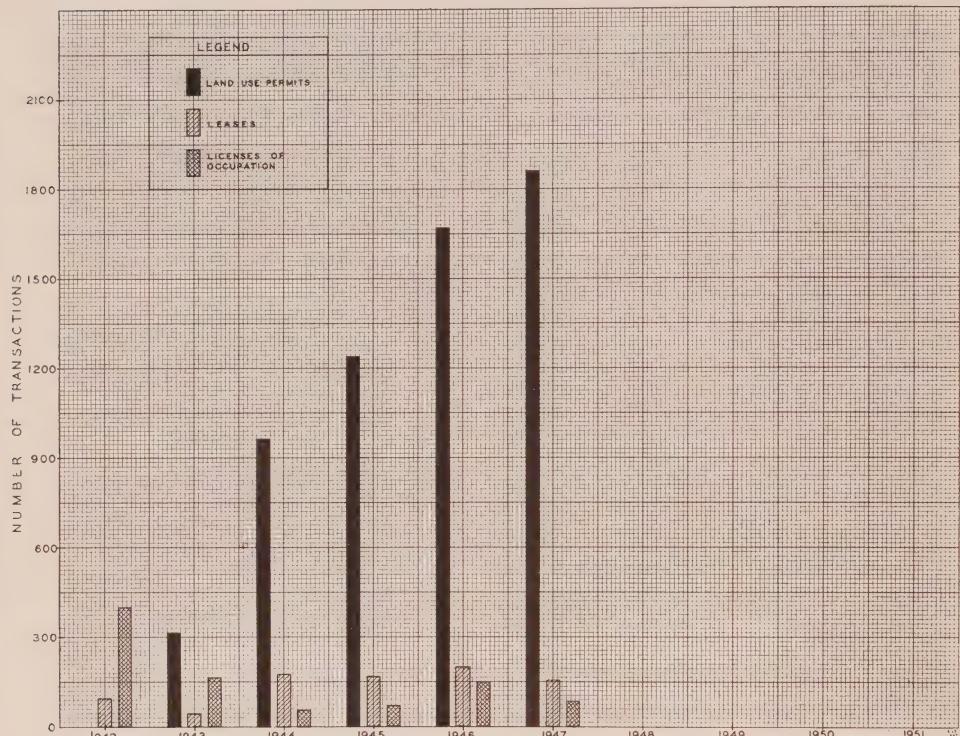


Fig. 6—LAND USE PERMITS, LEASES AND LICENCES OF OCCUPATION ISSUED.

TABLE No. 9

Statement of Patents, etc., issued during the year ending March 31, 1947

|  |        |
|--|--------|
| Public Land Patents .....                | 929    |
| Free Grant Patents .....                 | 168    |
| Patents & Transfers (Town Lots) .....    | 249    |
| Miscellaneous Documents .....            | 145    |
| Releases of Pine .....                   | 137    |
|  | — 1628 |
| Crown Leases .....                       | 8      |
| Algonquin Park Leases .....              | 42     |
| Bruce Beach Leases .....                 | 15     |
| Bruce Beach Renewals .....               | 11     |
| Rondeau Park Leases .....                | 71     |
| Timagami Leases .....                    | 4      |
| Water Power Leases .....                 | 5      |
|  | — 156  |
| Licences of Occupation .....             | 82     |
| Licences of Occupation (Rondeau) .....   | 2      |
| Licences of Occupation (Algonquin) ..... | 2      |
|  | — 86   |
| Licences of Occupation Cancelled .....   | 219    |
| Crown Leases Cancelled .....             | 22     |

## DIVISION OF LAW

The primary duties of the Division are as indicated in the Administrative Chart.

As a result of the previous Department of Game and Fisheries coming under the administration of the Department of Lands and Forests, as the Division of Fish and Wildlife, the work of the Law Division was considerably increased. The Game and Fisheries Act, 1946, is a revision of the Act which formerly was in effect, and considerable time was necessary in connection with the preparation of the many regulations which are required under the provisions of the Act.

Amendments were made to ten Acts governing the administration of the Department, and The Forest Management Act was created. This Act permits the Minister to require timber operators on Crown land to submit estimated inventories of the timber on the cutting-area respecting age, species, size and type, and management plans concerning the utilization of the timber.

An amendment to The Townsites Act provides that the Crown shall not claim any percentage of land in a subdivision plan of land which has been patented for upwards of five years prior to the time of making the subdivision.

An amendment to The Crown Timber Act permits the Minister, with the approval of the Lieutenant-Governor in Council, to enter into long-term timber concession agreements concerning all species of timber.

An amendment to The Cullers Act allows the Lieutenant-Governor in Council to make regulations with respect to standardization of the measurement of timber cut on Crown lands.

An amendment to The Public Lands Act allows the issue of letters patent to the widow of a locatee.

During the year, the policy of dealing with trespass cases, where a person committing a trespass had no authority to cut, by laying a charge of theft of trees under the Criminal Code, was actively followed. In the majority of such charges convictions were made, and it is felt that this policy will reduce unauthorized timber-cutting.

The following is a recapitulation of charges laid under the Criminal Code and for offences against provincial statutes and regulations:

| <i>Acts</i>                      | <i>Charges</i> | <i>Convictions</i> | <i>Acquittals</i> |
|----------------------------------|----------------|--------------------|-------------------|
| Game and Fisheries Act.....      | 1,510          | 1,433              | 77                |
| Forest Fires Prevention Act..... | 17             | 14                 | 3                 |
| Provincial Parks Act.....        | 2              | 2                  | 0                 |
| Crown Timber Act.....            | 1              | 1                  | 0                 |

During the year one timber concession agreement and two supplementary agreements concerning main agreements previously in force were prepared.

Various field trips were made by the Chief of the Division to District Offices concerning matters requiring legal attention.

DEPARTMENT OF LANDS AND FORESTS  
PROVINCE OF ONTARIO  
PARLIAMENT BUILDINGS, TORONTO  
ORGANIZATION CHART  
WITH  
CHART OF ORGANISATION

NOTE: otherwise  
unless all telephone  
numbers are local  
on ADelenda 1211

MINISTER OF LANDS & FORESTS  
HON. H.R. SCOTT.  
SECRETARY  
MISS. E. MARSHALL

| DEPUTY MINISTER | NAME | TEL   |
|-----------------|------|-------|
| F. A. McDougall | 2309 | 342-3 |
| SECRETARY       | 2311 | 342-3 |

**CHIEFS OR HEAD OFFICES DIVISION**

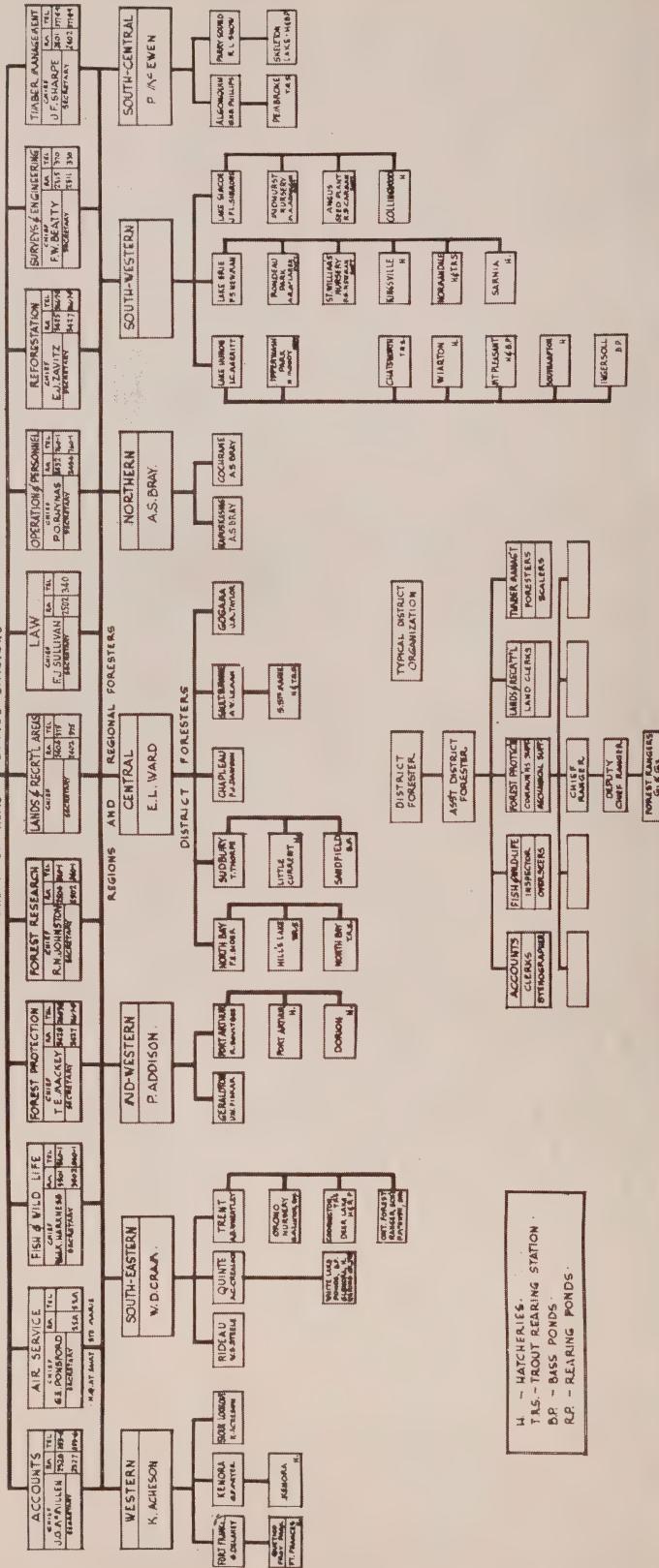
| PERSONNEL OF - DEPARTMENT - |            |            |             |             |
|-----------------------------|------------|------------|-------------|-------------|
|                             | PEARMY     | TERBOKY    | TOTAL       |             |
| IN-HOUSE STAFF              | 176        | 135        | 311         |             |
| OUTSIDE STAFF               | 389        | 515        | 904         |             |
| <b>TOTALS</b>               | <b>565</b> | <b>650</b> | <b>1215</b> | <b>1037</b> |

- DATED TO 1 JANUARY 1948

| PERSONNEL OF - DEPARTMENT - |            |            |             |             |
|-----------------------------|------------|------------|-------------|-------------|
|                             | PEARMY     | TERBOKY    | TOTAL       |             |
| IN-HOUSE STAFF              | 176        | 135        | 311         |             |
| OUTSIDE STAFF               | 389        | 515        | 904         |             |
| <b>TOTALS</b>               | <b>565</b> | <b>650</b> | <b>1215</b> | <b>1037</b> |

- DATED TO 1 JANUARY 1948

KUNST



## DIVISION OF OPERATION AND PERSONNEL

The termination of hostilities with Germany in May, 1945, and with Japan in August, 1945, initiated the retooling of industry and diverted the flow of personnel from the Armed Forces and industry to other channels. As a result of the processes of reconversion in the personnel and supply fields, the situation, as far as the Department is concerned, has been greatly eased. Urgently needed supplies have been a little more readily obtained and in somewhat greater volume, but still do not entirely meet our requirements.

For some time there was considerable difficulty in obtaining suitable qualified stenographic personnel, and desks and other office furniture are still most difficult to obtain. As younger people return to pre-war perspectives and as adolescents who have been obtaining the wages usually paid to adults are eliminated from industry, this situation may be considerably bettered. It is anticipated, too, that the training programmes of the Canadian Vocational schools will be a means of providing numbers of properly trained personnel.

During this year, eight new administrative districts were created, with the result that the greater part of the Province south of the Albany River is now under administrative district organization. The creation of these new districts will provide more effective administration.

On November 28th, 1946, the Honourable H. R. Scott was appointed Minister of the Department in succession to the Honourable W. G. Thompson, who had resigned.

In April, the Department of Game and Fisheries was amalgamated with the Department of Lands and Forests, and a new Departmental Division known as the Division of Fish and Wildlife was created. Certain functions of Fish and Wildlife Management both at Head Office and in the field were centralized in this Division. Other administrative functions of the Department of Game and Fisheries have been allocated to the appropriate Divisions already established in this Department.

The staff of the former Department of Game and Fisheries was redistributed, the majority of them being allocated to the Division of Fish and Wildlife and the remainder to the other Divisions of the Department. The field staff became a part of the various administrative district organizations. By this process, the Department of Lands and Forests became responsible for the administration of the natural resources within the Province of Ontario with the single exception of those within the purview of the Department of Mines. Changes effected are dealt with in that part of this annual report devoted to the Division of Fish and Wildlife.

A Forest Resources Inventory organization was created in the Division of Timber Management. The details of this organization appear in the section of this report devoted to that Division.

Due to over-crowding at Head Office where the per capita space is at an absolute minimum, the Aerial Surveys section of the Division of Surveys and Engineering was transferred from the Parliament Buildings to the DeHavilland plant on Sheppard Avenue, where it continues to function as a section of that Division.

The organization as of the end of the fiscal year, therefore, is as follows:

HEAD OFFICE, TORONTO

*Minister*—HON. W. G. THOMPSON (to November 28, 1946)

HON. H. R. SCOTT (from November 28, 1946)

*Deputy Minister*—F. A. MACDOUGALL

| <i>Division</i>                  | <i>Chief</i>                            |
|----------------------------------|---|
| Accounts.....                    | J. G. McMillen                          |
| Air Service.....                 | G. E. Ponsford<br>(Sault Ste. Marie)    |
| Fish and Wildlife.....           | W. J. K. Harkness                       |
| Forest Protection.....           | C. R. Mills<br>(to October 31, 1946)    |
| Land and Recreational Areas..... | T. E. Mackey<br>(from November 1, 1946) |
| Law.....                         | H. W. Crosbie<br>(to November 2, 1946)  |
| Operation and Personnel.....     | W. D. Cram<br>(from March 1, 1947)      |
| Reforestation.....               | F. J. Sullivan                          |
| Research.....                    | P. O. Rhynas                            |
| Surveys and Engineering.....     | E. J. Zavitz                            |
| Timber Management.....           | R. N. Johnston                          |
|                                  | F. W. Beatty                            |
|                                  | J. F. Sharpe                            |

FIELD OFFICES

| REGION                      | <i>Regional<br/>Forester</i>     | <i>District<br/>Forester</i> | <i>District<br/>Forester</i> | <i>District<br/>Headquarters</i> |
|-----------------------------|----------------------------------|------------------------------|------------------------------|----------------------------------|
| South-Western.....          | Lake Erie.....                   | F. S. Newman.....            | St. Williams                 |                                  |
|                             | Lake Huron.....                  | I. C. Marritt.....           | Galt                         |                                  |
|                             | Lake Simcoe.....                 | J. F. L. Simmons.....        | Maple                        |                                  |
| South-Eastern.....          | Quinte.....                      | A. Crealock.....             | Tweed                        |                                  |
| W. D. Cram,<br>Toronto..... | Rideau.....                      | W. E. Steele.....            | Kemptville                   |                                  |
|                             | Trent.....                       | A. B. Wheatley.....          | Lindsay                      |                                  |
| South-Central.....          | Algonquin.....                   | G. H. R. Phillips.....       | Algonquin                    |                                  |
| P. McEwen,<br>Dorset.....   | Parry Sound.....                 | R. L. Snow.....              | Parry Sound                  |                                  |
| Central.....                | North Bay.....                   | F. E. Sider.....             | North Bay                    |                                  |
|                             | Chapleau.....                    | F. J. Dawson.....            | Chapleau                     |                                  |
|                             | Gogama.....                      | J. M. Taylor.....            | Gogama                       |                                  |
|                             | Sault Ste. Marie.....            | A. Leman.....                | Sault Ste. Marie             |                                  |
|                             | Sudbury.....                     | T. Thorpe.....               | Sudbury                      |                                  |
| Northern.....               | E. L. Ward,<br>Kapuskasing.....  | E. L. Ward.....              | Kapuskasing                  |                                  |
|                             | Cochrane.....                    | A. S. Bray.....              | Cochrane                     |                                  |
| Mid-Western.....            | Port Arthur.....                 | R. Boulbee.....              | Port Arthur                  |                                  |
|                             | Port Arthur.....                 | Geraldton.....               | U. W. Fiskar.....            | Geraldton                        |
| Western.....                | K. Acheson<br>Sioux Lookout..... | K. Acheson.....              | Sioux Lookout                |                                  |
|                             | Sioux Lookout.....               | G. F. Meyer.....             | Kenora                       |                                  |
|                             | Kenora.....                      | G. Delahey.....              | Fort Frances                 |                                  |
|                             | Fort Frances.....                |                              |                              |                                  |

DEPARTMENT OF LANDS AND FORESTS  
PROVINCE OF ONTARIO  
ADMINISTRATIVE DIVISIONS

Hon. H. R. SCOTT, Minister  
E. A. MacDOUGALL, Deputy Minister

# ADMINISTRATIVE DIVISIONS



PROVINCE OF ONTARIO

*Department of Lands and Forests*

Hon. H. R. Scott  
Minister

F. A. MacDougall  
Deputy Minister

## AREAS OF ADMINISTRATIVE DISTRICTS

| <i>Districts</i>      | <i>Area</i>       |
|-----------------------|-------------------|
| Algonquin.....        | 3,545,600 acres   |
| Chapleau.....         | 4,085,760 acres   |
| Cochrane.....         | 9,251,840 acres   |
| Fort Frances.....     | 4,377,600 acres   |
| Geraldton.....        | 8,035,840 acres   |
| Gogama.....           | 4,154,880 acres   |
| Kapuskasing.....      | 9,075,000 acres   |
| Kenora.....           | 6,812,160 acres   |
| Lake Erie.....        | 4,416,000 acres   |
| Lake Huron.....       | 5,952,000 acres   |
| Lake Simcoe.....      | 2,949,120 acres   |
| North Bay.....        | 5,580,800 acres   |
| Parry Sound.....      | 3,965,440 acres   |
| Port Arthur.....      | 9,679,360 acres   |
| Quinte.....           | 4,536,320 acres   |
| Rideau.....           | 3,489,280 acres   |
| Sault Ste. Marie..... | 10,309,120 acres  |
| Sioux Lookout.....    | 18,291,200 acres  |
| Sudbury.....          | 4,610,560 acres   |
| Trent.....            | 3,279,360 acres   |
| Total.....            | 126,397,240 acres |

## PERSONNEL MANAGEMENT

*Selection and Placement:*

Applications for employment with the Department come to us, for the most part, through the Office of the Civil Service Commission. A considerable number, however, are received direct. All persons making application at Head Office are interviewed by the Personnel Officer or his representative and a report on each applicant is made summarizing all essential details concerning the applicant's qualifications, experience and personal history and, as well, the interviewer records his impression of the applicant and makes his recommendation to the Chief of this Division.

The testing and rating of applicants for stenographic, typing and clerical positions by the Office of the Civil Service Commission has been of great assistance to us in recruiting competent persons in these classes.

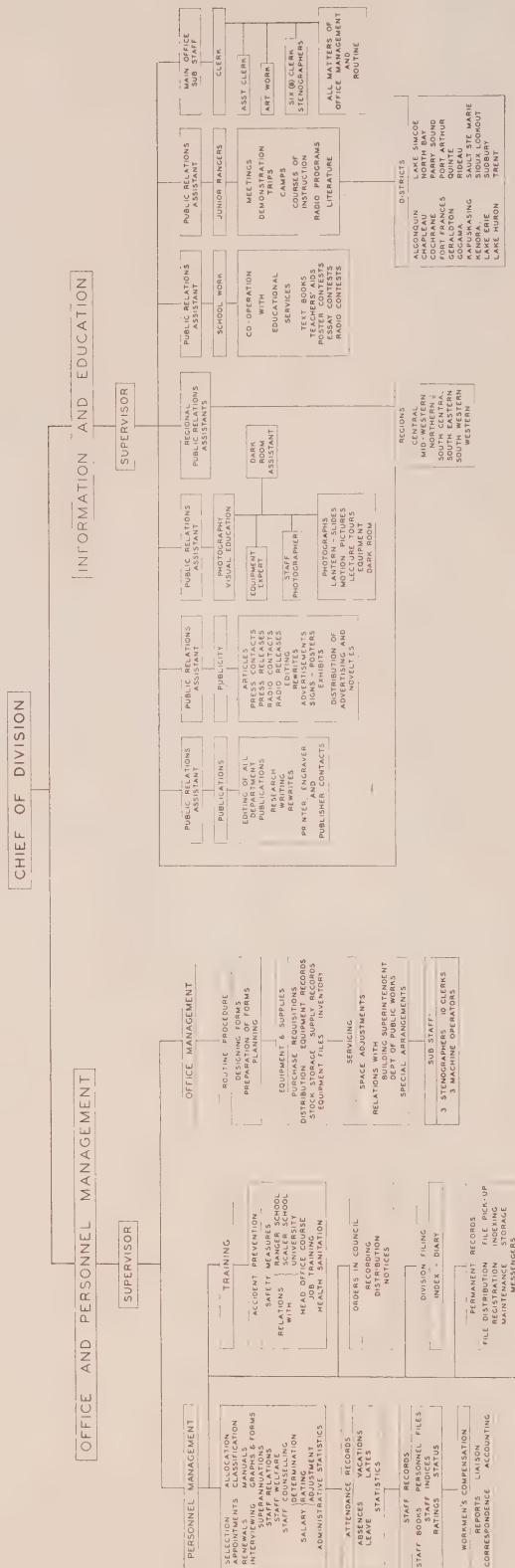
The Department, has, wherever possible, placed ex-service personnel as positions or replacements became necessary. Of those appointed to the staff during the fiscal year, 70.5% were ex-service personnel. A statement appears which indicates the relative number of male and female employees.

Twenty Fish and Wildlife Specialists were appointed to give immediate, close supervision to enforcement matters in the various administrative districts under the respective District Foresters. The fish hatchery staffs became part of the District organizations.

On November 28, 1946, the Honourable H. R. Scott succeeded the Honourable W. G. Thompson as Minister of Lands and Forests.

On April 1, 1946, J. M. Taylor was appointed District Forester at Gogama. On the same date F. J. Dawson was appointed District Forester at Chapleau.

DEPARTMENT OF LANDS AND FORESTS  
DIVISION OF OPERATION AND PERSONNEL



On June 3, 1946, Dr. W. J. K. Harkness was appointed Chief, Division of Fish and Wildlife.

On July 15, 1946, F. E. Sider, after his release from the Armed Services, was appointed District Forester at North Bay.

On August 22, 1946,

W. E. Steele was appointed District Forester of Rideau District.

A. Crealock was appointed District Forester of Quinte District.

A. B. Wheatley was appointed District Forester of Trent District.

I. C. Marritt was appointed District Forester of Lake Huron District.

F. S. Newman was appointed District Forester of Lake Erie District.

On September 28, 1946, J. F. L. Simmons was appointed District Forester of Lake Simcoe District.

On November 1, 1946, W. D. Cram was appointed Regional Forester of the South Eastern Region.

As of November 1, 1946, T. E. Mackey, formerly Regional Forester, North Bay, was appointed Chief, Division of Forest Protection.

As of March 1, 1947, W. D. Cram became Chief, Division of Land and Recreational Areas in addition to his duties as Regional Forester.

The following members of Staff were superannuated during the fiscal year:

| <i>Name</i>    | <i>Division or District</i> | <i>Date</i>    |
|----------------|-----------------------------|----------------|
| Barran, J. G.  | Fish and Wildlife           | April 22, 1946 |
| Taylor, D. J.  | Fish and Wildlife           | May 16, 1946   |
| Burwash, N. A. | Surveys and Engineering     | June 1, 1946   |
| Beaupre, J. M. | Fish and Wildlife           | July 1, 1946   |
| Heath, W. H.   | Surveys and Engineering     | Aug. 29, 1946  |
| Potter, E. E.  | Cochrane                    | Sept. 17, 1946 |
| McInnis, C. C. | Parry Sound                 | Oct. 18, 1946  |
| Bouchey, A. C. | Gogama                      | Feb. 9, 1947   |
| Ranger, P.     | Algonquin                   | Feb. 28, 1947  |

#### VETERAN PERSONNEL AS OF MARCH 31, 1947

(Exclusive of Casual Staff)

|                              | <i>Male</i>    | <i>Female</i>  | <i>Total</i>     |
|------------------------------|----------------|----------------|------------------|
| Inside.....                  | 146            | 6              | 152              |
| Outside.....                 | 318            | ..             | 318              |
|                              | —              | —              | —                |
|                              | 464            | 6              | 470              |
|                              | <i>1st War</i> | <i>2nd War</i> | <i>Both Wars</i> |
| Inside.....                  | 39             | 105            | 8                |
| Outside.....                 | 133            | 174            | 11               |
|                              | —              | —              | —                |
|                              | 172            | 279            | 19               |
|                              |                |                | <i>Total</i>     |
| Total Staff, March 31, 1947. |                |                | 470              |

#### *Continuous*

|                 | <i>Perm.</i> | <i>Temp.</i> | <i>Casual</i> | <i>Total</i> |
|-----------------|--------------|--------------|---------------|--------------|
| Head Office.... | 215          | 166          | 6             | 387          |
| Field.....      | 308          | 396          | 521           | 1225         |
|                 | —            | —            | —             | —            |
| Total.....      | 523          | 562          | 527           | 1612         |

|                            |       |
|----------------------------|-------|
| Permanent Staff.....       | 523   |
| Temporary Staff.....       | 562   |
| Total.....                 | 1085  |
|                            |       |
| Veterans as above.....     | 470   |
| Per cent. of Veterans..... | 43.3% |
| Male Staff.....            | 946   |
| Male Veterans.....         | 464   |
| Per cent. of Veterans..... | 49%   |

NOTE.—This statement includes Air Service as inside staff.

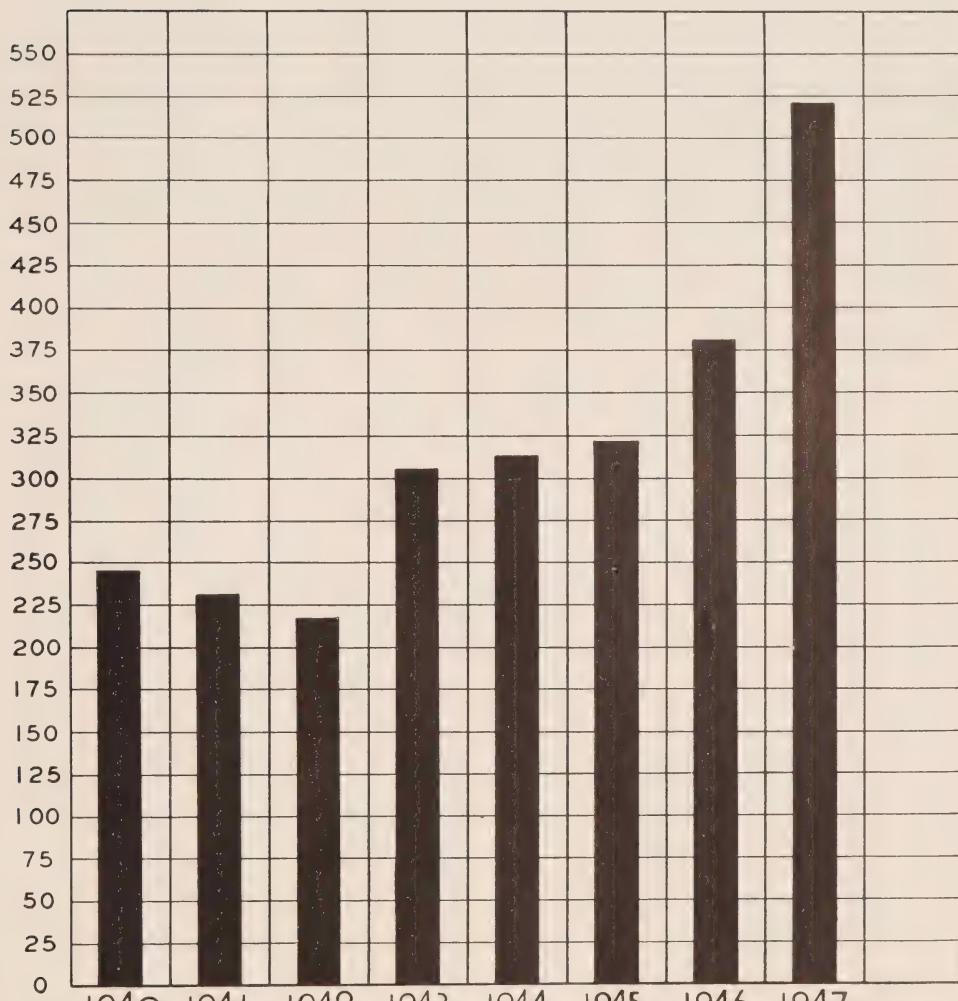
PERMANENT AND TEMPORARY EMPLOYEES  
As of March 31, 1947

| DIVISION                          | PERMANENT |        | TEMPORARY |        | TOTAL |        | GRAND<br>TOTAL |
|-----------------------------------|-----------|--------|-----------|--------|-------|--------|----------------|
|                                   | Male      | Female | Male      | Female | Male  | Female |                |
| Air Service.....                  | 47        | ..     | 21        | 2      | 68    | 2      | 70             |
| Accounts.....                     | 18        | 15     | 19        | 11     | 37    | 26     | 63             |
| Fish and Wildlife.....            | 17        | 8      | 7         | 7      | 24    | 15     | 39             |
| Forest Protection.....            | 9         | 2      | 2         | 2      | 11    | 4      | 15             |
| Lands and Recreational Areas..... | 8         | 10     | 4         | 6      | 12    | 16     | 28             |
| Law.....                          | 1         | 1      | ..        | ..     | 1     | 1      | 2              |
| Main Office.....                  | 1         | 4      | ..        | ..     | 1     | 4      | 5              |
| Operation and Personnel.....      | 17        | 6      | 26        | 15     | 43    | 21     | 64             |
| Reforestation.....                | 5         | ..     | 3         | 3      | 8     | 3      | 11             |
| Research.....                     | 8         | 3      | 4         | 1      | 12    | 4      | 16             |
| Surveys and Engineering.....      | 21        | 2      | 17        | 4      | 38    | 6      | 44             |
| Timber Management.....            | 9         | 3      | 9         | 3      | 18    | 6      | 24             |
|                                   | 161       | 54     | 112       | 54     | 273   | 108    | 381            |

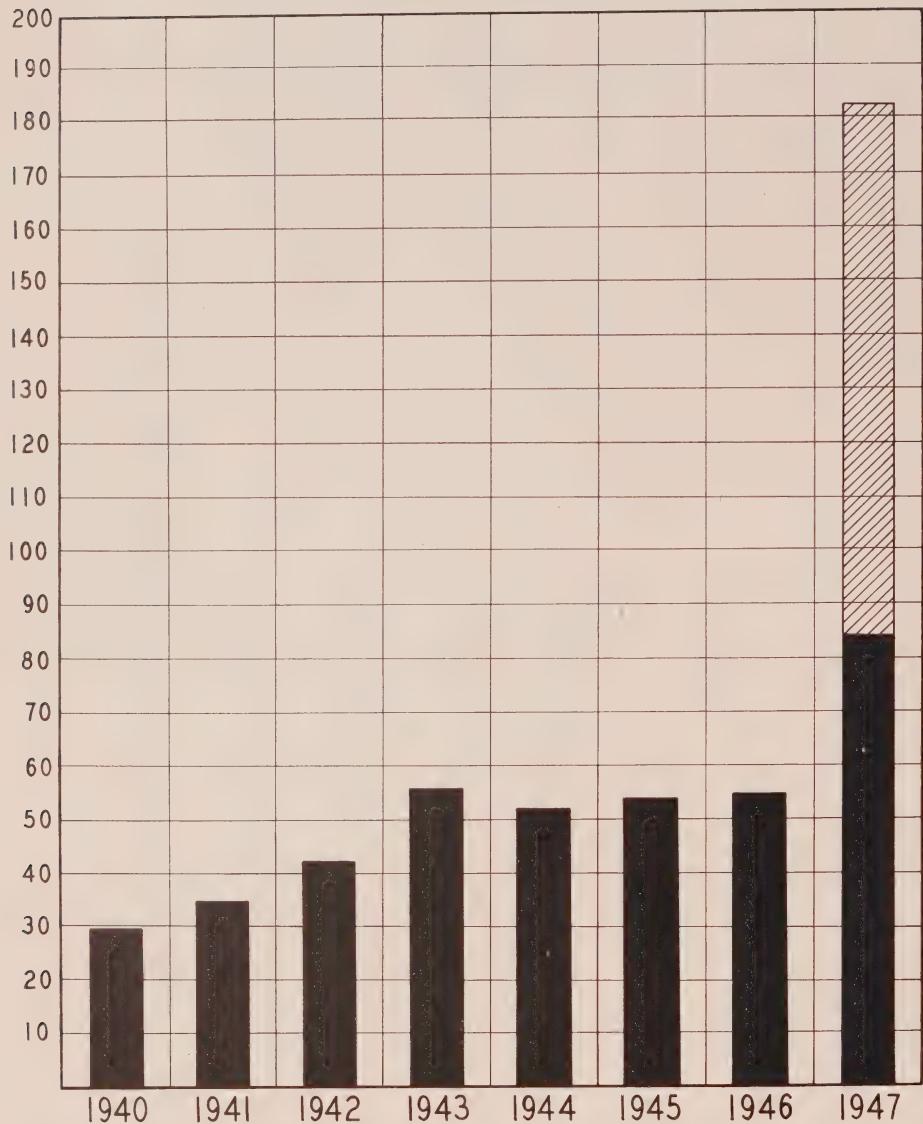
PERMANENT AND TEMPORARY EMPLOYEES  
As of March 31, 1947

| DISTRICT              | PERMANENT |        | TEMPORARY |        | TOTAL |        | GRAND<br>TOTAL |
|-----------------------|-----------|--------|-----------|--------|-------|--------|----------------|
|                       | Male      | Female | Male      | Female | Male  | Female |                |
| Algonquin.....        | 24        | ..     | 34        | ..     | 58    | ..     | 58             |
| Chapleau.....         | 7         | ..     | 12        | ..     | 19    | ..     | 19             |
| Cochrane.....         | 15        | ..     | 30        | 1      | 45    | 1      | 46             |
| Fort Frances.....     | 11        | ..     | 17        | 1      | 28    | 1      | 29             |
| Geraldton.....        | 6         | ..     | 9         | 1      | 15    | 1      | 16             |
| Gogama.....           | 5         | ..     | 11        | ..     | 16    | ..     | 16             |
| Kapuskasing.....      | 11        | ..     | 22        | 2      | 33    | 2      | 35             |
| Kenora.....           | 11        | 2      | 23        | ..     | 34    | 2      | 36             |
| Lake Erie.....        | 20        | ..     | 14        | ..     | 34    | ..     | 34             |
| Lake Huron.....       | 17        | ..     | 13        | ..     | 30    | ..     | 30             |
| Lake Simcoe.....      | 14        | ..     | 29        | ..     | 43    | ..     | 43             |
| North Bay.....        | 30        | 4      | 19        | 3      | 49    | 7      | 56             |
| Parry Sound.....      | 16        | 2      | 20        | 1      | 36    | 3      | 39             |
| Port Arthur.....      | 14        | 2      | 22        | 3      | 36    | 5      | 41             |
| Quinte.....           | 11        | ..     | 22        | 2      | 33    | 2      | 35             |
| Ranger School.....    | 7         | ..     | 2         | ..     | 9     | ..     | 9              |
| Rideau.....           | 5         | ..     | 11        | ..     | 16    | ..     | 16             |
| Sault Ste. Marie..... | 22        | 2      | 22        | 1      | 44    | 4      | 48             |
| Sioux Lookout.....    | 6         | ..     | 17        | 1      | 23    | 1      | 24             |
| Sudbury.....          | 32        | 1      | 14        | 1      | 46    | 2      | 48             |
| Trent.....            | 11        | ..     | 15        | ..     | 26    | ..     | 26             |
|                       | 295       | 13     | 378       | 18     | 673   | 31     | 704            |

DEPARTMENT  
OF  
LANDS AND FORESTS



PERMANENT EMPLOYEES  
AS OF MARCH 31<sup>st</sup>. EACH YEAR



TECHNICAL PERSONNEL EMPLOYED: 1947  
(FORESTERS ONLY, NOTED TO 1946)

Oblique shading denotes seasonal Technical Personnel employed 1947



SECTION OF THE DIVISION OF OPERATION AND PERSONNEL.

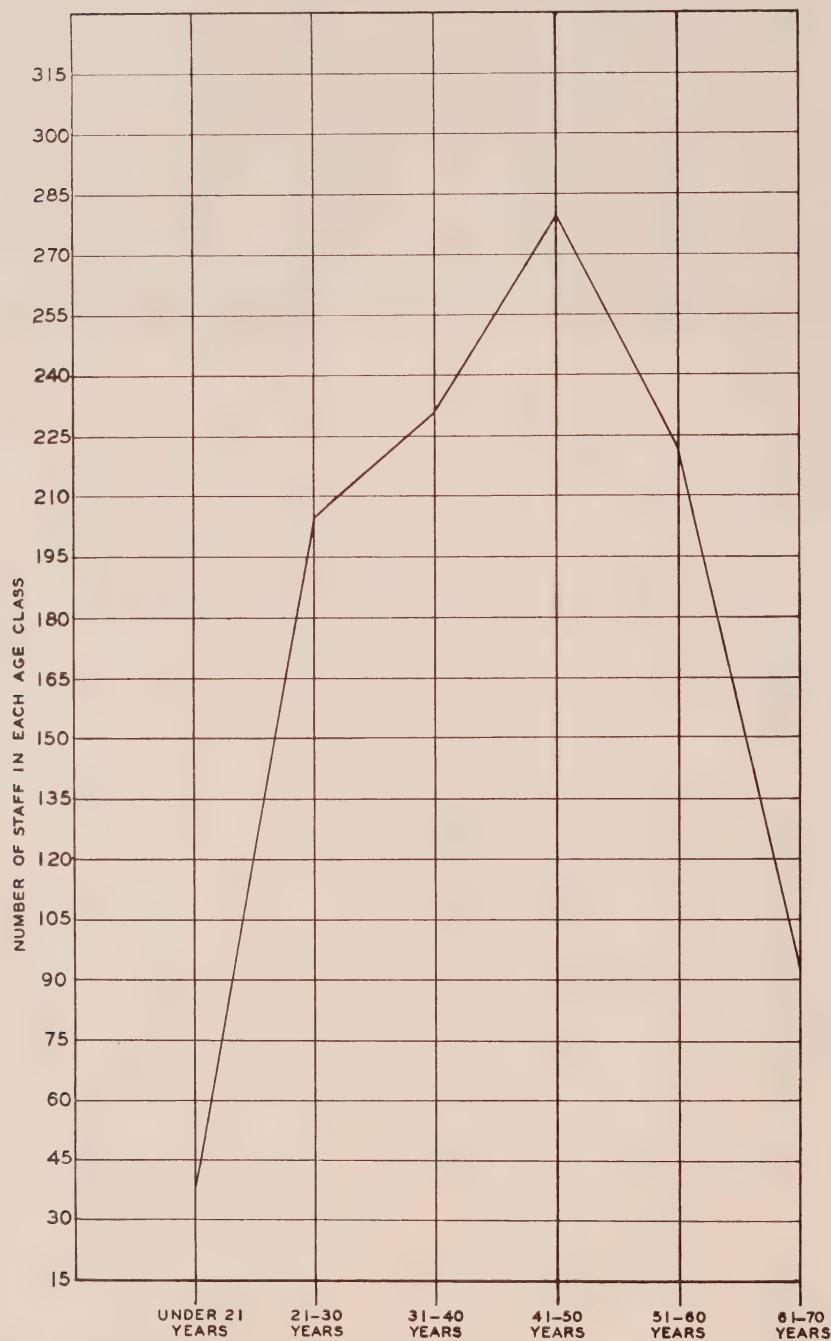
NUMBER OF EMPLOYEES BY MONTHS  
FOR FISCAL YEAR ENDED MARCH 31, 1947

| MONTH          | INSIDE |       |        | OUTSIDE |       |        | Total |
|----------------|--------|-------|--------|---------|-------|--------|-------|
|                | Perm.  | Temp. | Casual | Perm.   | Temp. | Casual |       |
| 1946           |        |       |        |         |       |        |       |
| April.....     | 136    | 86    | 5      | 238     | 277   | 1222   | 1964  |
| May.....       | 141    | 81    | 15     | 244     | 275   | 1469   | 2225  |
| June.....      | 177    | 93    | 9      | 362     | 331   | 1486   | 2458  |
| July.....      | 174    | 107   | 12     | 349     | 341   | 1539   | 2522  |
| August.....    | 175    | 118   | 14     | 352     | 348   | 1369   | 2376  |
| September..... | 177    | 121   | 7      | 365     | 348   | 1251   | 2528  |
| October.....   | 177    | 124   | ..     | 362     | 378   | 882    | 2188  |
| November.....  | 175    | 130   | ..     | 351     | 374   | 671    | 1722  |
| December.....  | 174    | 135   | 2      | 353     | 375   | 702    | 1749  |
| 1947           |        |       |        |         |       |        |       |
| January.....   | 168    | 144   | 4      | 356     | 368   | 688    | 1728  |
| February.....  | 165    | 155   | 4      | 356     | 366   | 561    | 1607  |
| March.....     | 168    | 143   | 3      | 355     | 419   | 524    | 1612  |

Tables of Age Classes of employees of Department of Lands and Forests—Permanent and Continuous Temporary, as of 31st March, 1947.

| Age           | Number of Employees |
|---------------|---------------------|
| Under 21..... | 40                  |
| 21-30.....    | 209                 |
| 31-40.....    | 231                 |
| 41-50.....    | 280                 |
| 51-60.....    | 228                 |
| 61-70.....    | 91                  |
| Over 70.....  | 6                   |
| Total.....    | 1085                |

## CHART OF AGE CLASSES



## DEATHS

The following are regretfully reported:

J. St. Louis, Forest Ranger at Kapuskasing, on July 8th, 1946.

C. E. Binkley, Game Overseer at North Bay, on November 6th, 1946.

H. W. Crosbie, Chief, Division of Land and Recreational Areas, on November 2nd, 1946.

*Investigations:*

Constant liaison work has been conducted and essential investigations made from time to time throughout the service as required, through which the Head Office Relations with the field and vice versa have been facilitated.

*Accident, Health and Safety Measures:*

Medical and X-ray examinations have been continued. As a result, a large number of the staff have been done, and in this connection, it may be observed that it is now essential for employees recommended for promotion to the Permanent Staff to be categorized by the Health Clinic, or under their supervision. Health and Accident Prevention literature has been circulated and arrangements are being made for this to be followed by motion picture propaganda.

*Attendance Records:*

These are compiled monthly and are necessarily maintained with considerable care due to the fact that sick leave accumulations of employees with over five years service are worth half pay on their separation from the service.

*Staff Suggestion Plan:*

The interest of both employee and official in this plan has been maintained and on January 13, 1947, thirteen prizes for suggestions were awarded by the Committee as follows:

| <i>Name</i>   | <i>Suggestion</i>                                |
|---|--|
| R. H. Keenan, Sudbury.....                                | Display Cards in Railway Stations.               |
| George E. Knight, Parry Sound.....                        | Statement of Fire-Fighting Expenses.             |
| P. H. Foley, Kenora.....                                  | Battery Tester Holder.                           |
| J. B. Thompson, Toronto.....                              | Publicity Parke Township.                        |
| Quimby F. Hess, Kapuskasing.....                          | Use of Fire Hazard Indicators.                   |
| Miss V. Molesworth, Toronto.....                          | Manual of Timber and Pulpwood Agreement Clauses. |
| J. A. Wynd, Armstrong.....                                | Pulpwood Rule.                                   |
| W. H. Porch, Algonquin Park.....                          | Birds of Algonquin Park.                         |
| B. R. Somers, Sudbury.....                                | Chalk Holder.                                    |
| Sydney Yavner, Toronto.....                               | Defect Calculator for Scaling.                   |
| H. E. Kedey, Sudbury.....                                 | Paint Record Form.                               |
| Walter C. Davidson, Air Service,<br>Sault Ste. Marie..... | Valve Depressor Tool.                            |
| Fernand De Sourd, Port Arthur.....                        | Fine Spray Water Nozzle.                         |

## STAFF MEETINGS

*Regional Meeting:*

Regional Conferences including all the senior administrative officers of each region respectively, were held as follows:—

|                     |                    |                |
|---------------------|--------------------|----------------|
| Western Region..... | Kenora.....        | Oct. 7-8       |
| Thunder Bay.....    | Port Arthur.....   | Oct. 10-11     |
| Southern.....       | Ranger School..... | Oct. 31—Nov. 1 |

*District Foresters' Meetings:*

The annual District Foresters' Conference was held in Toronto, January 20th to January 25th, 1947. It was attended by Field and Head Office officials, and with an organized time table and classified agenda, the proceedings resulted in a most beneficial conference.

*Supplementary Conference:*

A supplementary conference was held from February 17th to February 21st, 1947, attended by field foresters other than District Foresters. This conference provided an opportunity for Assistant Foresters and other senior officials to discuss current and other problems in open forum, for which suitable provision could not be made on the agenda of the Regular Conference. Definite benefits were immediately apparent, and because of this and the reactions of those who attended, it is proposed to continue the practice in an endeavour to bring about closer relations between the Field and Head Office and facilitate the efficient discharge of the responsibilities of all concerned.

## TRAINING

The following are the details of First Aid Training, Job Instruction Training and the Head Office Staff Courses for the fiscal year. The favourable reaction of the staff and their hearty interest in the instruction as given, to say nothing of improved performance, is reflected in the ratings obtained by those instructed under the various headings.

The number of employees that completed First Aid Training successfully, as provided by the St. John's Ambulance Association, was 80.

The number of employees that completed the Job Instruction Training Course was 72.

The number of employees that completed the Head Office Staff Course was nine.

*Ontario Forest Ranger School:*

All of the buildings have not yet been completed, but the results obtained so far are most gratifying and it is hoped that the building programme will have been finished towards the end of 1947. The second term began October 1st, 1946, and concluded October 31st, 1946.

The following members of the staff attended from the various districts:

|                     |                    |                         |
|---------------------|--------------------|-------------------------|
| <i>Algonquin</i>    | <i>Gogama</i>      | <i>Port Arthur</i>      |
| M. Getz             | E. Barnes          | W. J. Gibson            |
| F. P. McIntyre      | L. Morin           | T. J. Buerard           |
| J. Orme             |                    | W. H. Jarvis            |
| J. Tait             |                    | C. W. McDonald          |
| <i>Chapleau</i>     | <i>Kapuskasing</i> | <i>Quinte</i>           |
| E. Collard          | E. A. Boice        | K. Legris               |
| G. T. Godemair      | H. E. Hutchinson   |                         |
|                     | J. M. McDougall    |                         |
| <i>Cochrane</i>     | <i>Kenora</i>      | <i>Sault Ste. Marie</i> |
| S. E. McWhirter     | P. Borup           | J. Bennett              |
| O. K. Welsh         | J. A. Murphy       | C. MacDonald            |
| P. M. Dolan         | J. MacKay          | H. MacLeod              |
|                     | F. Nicoll          | C. Tregonning           |
| <i>Fort Frances</i> | <i>North Bay</i>   | <i>Sioux Lookout</i>    |
| D. C. Baldwin       | D. Burns           | J. E. Anderson          |
| R. H. Pattison      | R. Laurin          | P. Maskerine            |
| S. V. Ryan          |                    | J. B. Rorke             |
| <i>Geraldton</i>    | <i>Parry Sound</i> | <i>Sudbury</i>          |
| S. Maki             | S. Booker          | W. Wetow                |
|                     | H. W. LaBrash      |                         |

During the period December 2nd to December 19th, 1946, inclusive, a Fish and Wildlife course was held at the Ranger School. It was attended by the Specialists and Enforcement Officers from the various districts, with obvious benefits.

#### *Scaler's Course:*

Under the direction of the Division of Timber Management, five courses were given at Minden, Thessalon, Fort William and Swastika respectively. Details of the results of examinations which followed these courses are reported by the Division of Timber Management on page 156.

#### *Workmen's Compensation:*

The provisions of the Act are available to the staff of the Department, many of whom are from time to time engaged in hazardous work—benefits in pay, medical aid and pensions.

For the past fiscal year the cost to the Department was \$22,051.73. The administrative charge of the Board was \$754.50. Last year these figures were \$12,458.04 and \$334.50 respectively.

Over the period back to 1938, these costs have varied from a minimum of \$12,850.33 in 1944 to \$17,129.85 in 1939.

The variations seem to be compatible with the intensity of the fire hazard, as the number of accidents and the incidence of these rise in the dry months and decline in the fall.

Every effort is made to eliminate dangerous or careless practice and so reduce cost, man day losses and job delay.

Chief Forest Rangers and their Divisions as of March 31, 1947.

| <i>Division</i>  | <i>District</i>  | <i>Chief Ranger</i>    |
|------------------|------------------|------------------------|
| A. C. R.         | Sault Ste. Marie | J. A. MacGillivray     |
| Abitibi          | Cochrane         | R. Woodall             |
| Algonquin N.     | Algonquin        | John McIntyre          |
| Algonquin S.     | Algonquin        | T. McCormick           |
| Armstrong        | Sioux Lookout    | W. H. Fayle            |
| Bancroft         | Quinte           | McK. Wilson            |
| Biscotasing      | Chapleau         | W. P. O'Donnell        |
| Black Sturgeon   | Port Arthur      | W. J. Gibson (actg.)   |
| Blind River      | Sault Ste. Marie | T. E. Cassidy          |
| Capreol          | Sudbury          | T. McGown              |
| Chapleau         | Chapleau         | J. E. Morin            |
| Cochrane         | Cochrane         | C. A. Stanbury         |
| Elk Lake         | North Bay        | W. A. Adair            |
| Espanola         | Sudbury          | S. D. Spence           |
| Foleyet          | Gogama           | R. Languerand (actg.)  |
| Fort William     | Port Arthur      | T. Guerard             |
| Franz            | Sault Ste. Marie | J. A. Foster           |
| Georgian Bay     | Parry Sound      | Walter Armstrong       |
| Gogama           | Gogama           | L. Berlinguette        |
| Gooderham        | Trent            | P. Cassidy             |
| Hearst           | Kapuskasing      | J. W. Colley           |
| Huntsville       | Parry Sound      | W. J. Barber           |
| Ignace           | Kenora           | R. Alcock              |
| Kapuskasing      | Kapuskasing      | J. H. Clavelle         |
| Kenora           | Kenora           | F. R. Parmeter         |
| Lake St. Joseph  | Sioux Lookout    | E. Guertin (actg.)     |
| Longlac          | Geraldton        | A. Grasser             |
| Madawaska        | Quinte           | H. M. Legris           |
| Minaki           | Kenora           | A. Cleavely            |
| Mobert           | Sault Ste. Marie | D. McMenemy (actg.)    |
| Nakina           | Geraldton        | J. Jarvis              |
| Nipigon          | Port Arthur      | C. W. McDonald (actg.) |
| North Bay        | North Bay        | D. J. Kennedy          |
| Oba              | Kapuskasing      | B. Wilson              |
| Pays Plat        | Geraldton        | G. D. MacAdam          |
| Rainy River      | Fort Frances     | W. Darby               |
| Red Lake         | Sioux Lookout    | R. Taylor              |
| Sault Ste. Marie | Sault Ste. Marie | H. W. Green            |
| Shebandowan      | Port Arthur      | J. H. Stirrett         |
| Sioux Lookout    | Sioux Lookout    | J. Rorke               |
| Sudbury          | Sudbury          | J. H. Strain           |
| Swastika         | Cochrane         | F. L. Miller (actg.)   |
| Timagami         | North Bay        | P. Hoffman             |
| Timmins          | Cochrane         | O. K. Welsh (actg.)    |

#### ROYAL COMMISSION ON FORESTRY

Under Order-in-Council, dated April 16, 1946 and pursuant to the Public Inquiries Act, R.S.O. 1937, chapter 19, Major General Howard Kennedy, C.B.E., M.C., B.Sc. (McGill), was appointed a Commissioner to investigate, enquire into and report upon the forest resources of Ontario and their conservation, management, development and beneficial utilization for all purposes, and was given power to summon any person and require him to give evidence on

oath, and to produce such documents and things "as the commissioner deems requisite for the full investigation of the matter into which he is appointed to examine, by subpoena signed by the commissioner."

Pursuant thereto, the Commissioner conducted public hearings at various points throughout the Province in subsequent months, and submissions to the Commissioner of relevant material from the public were invited. In due course hearings were conducted at the Parliament Buildings, Queen's Park, Toronto, at which briefs were presented at the request of the Commissioner. Briefs presented by the various divisions of our Department, included charts, graphs and explanatory information.

## OFFICE MANAGEMENT

### *Outside Storage Space*

It became evident some time ago that the space in the Outside Storage Building, erected at the Southern Experimental Station, would not be adequate to house the increased volume of records brought about by the amalgamation of the Department of Game and Fisheries with the Department of Lands and Forests.

Consequently, it was decided to add two new wings of brick and concrete, similar to the original building. Each wing is thirty feet long by twenty feet wide, one at each end of the main structure, and running at right angles to it. The southern wing was constructed with a basement to accommodate a heating and air conditioning plant with fuel bins. This installation has been completed.

Due to the extreme shortage of sheet steel, it was found to be impossible to obtain our total requirements of steel transfer cases in which to house the records sent for storage. However, about one-third of our requirements were obtained, and these cases are now installed and will meet immediate needs.

### *Office Space*

Due to a great expansion of staff, space adjustments became increasingly necessary, in order to make the utmost use of the offices available. Despite planning for effective utilization of space many offices are badly over-crowded.

### *Permanent Records.*

In addition to the transfer of older records to the Outside Storage Building at Maple, the Records Office Staff had the problem of taking over the files of the Department of Game and Fisheries, and including in the Permanent Records Filing System, those files which should properly be maintained there. At present there are over 140,000 Permanent files and the average mail in connection with these is 200 letters daily, in addition to other mail on various Divisional matters.

### *Supply Records*

A visible index card system is maintained to record the receipts, issues and stock balance of all equipment and supplies handled by this sub-section. This entails a clerk's full time work. The system reflects the quantities and location of all equipment.

### *Equipment Records*

(a) This comprises a perpetual inventory of non-expendable equipment held by Head Office and all Districts, Forest Stations, Regional Caches, etc., in the Department.

(b) With the incorporation of the Department of Game and Fisheries with this Department, and the organization of five new Districts, the amount of work involved has become much greater. It is necessary to pick up all items of non-expendable equipment from invoices passed for payment, to record them in their proper classification and location, and to be able to render a completely priced statement at any time this might be required. The work of absorbing into our system the Game and Fisheries forms and licences was difficult and protracted, but in due course accomplished.

(c) The expansion of Department Staff, together with the inclusion of the Department of Game and Fisheries as a new Division, increased tremendously the volume of equipment and supplies purchased and distributed. This increase was accentuated by the concentration of all Main Office purchasing under the Division of Operation and Personnel, as of December 1st, 1946.

The volume of requisitions from Field and Main Offices, during the year, was more than double the number processed in the previous year.

(d) Distribution of Technical Circulars and Publicity Material:—

A vastly increased quantity of informative literature, in the form of Technical Circulars and Publicity material was distributed during the year.

#### *Distribution and Stock Storage*

These functions are detailed jointly rather than individually because they are so closely allied. All the equipment and supplies mentioned above received in our stockroom are closely checked against King's Printer requisitions, Public Works requisitions or purchase orders, as the case may be. Goods which are required for the immediate filling of an outstanding order are checked against that order and prepared for shipment, in the case of Field Offices. Requirements for Head Office needs are checked against the Divisional requisition and delivery is made to the office of origin where signature is obtained.

Goods for long term supply, such as printed forms (of which nearly 1,000 different types are in actual use) maps, advertising and publicity material, bulk stationery and office supplies and certain smaller items of equipment, must be carefully placed in stock in orderly fashion to be readily available when required.

In addition to the foregoing, our duplicating machines are located in the stockroom and all duplicating work for the Department is carried out there by means of mimeograph or multilith processes. This work includes the production of a large percentage of the Departmental forms now in use, numerous technical and other reports, form letters, and a large volume of Technical, Policy, Divisional and Information Circulars. A record of cost on all duplicating work is maintained.

The foregoing items must be assembled, stitched, folded where necessary, placed in envelopes and dispatched to Parliament Buildings' Post Office. In addition, a heavy flow of educational literature is dispatched in a similar manner.

Some idea of the volume of work carried on in this stockroom may be given from the following figures covering activities of the past twelve months:

- 140 tons of goods handled annually.
- 8,500 booklets dispatched quarterly.
- 2,000 pamphlets dispatched semi-monthly.
- 144,000 circulars produced, assembled and dispatched annually.
- 250,000 mimeograph impressions made annually.
- 1,768,000 multilith impressions made annually.
- 21,280 orders, received, filled, checked and shipped.

(This figure of 21,280 is made up of 6,280 orders of stationery and supplies, and 15,000 shipments containing 469,700 Fish and Game Licences).

In addition to the recording of all incoming requisitions and outgoing shipments, a permanent record is maintained of all serially numbered forms such as Cutting Permits, Land Permits, Cash Receipt Books, for casual payroll and extra Fire Fighting staff, Main Office receipts, and Rental Due Notices.

#### 1.—*Servicing—Messenger Service*

A messenger service is maintained and these duties are carried out by junior members of the Record's Staff.

#### 2.—*Space Adjustments*

Many adjustments must be made in order to accommodate a greatly increased staff in already crowded office space. The situation has become critical and even with the removal of certain sections of the Department to other quarters outside the Parliament Buildings, space is still at a premium. This is considered most important in order that the administration of the Department may be facilitated properly.

#### 3.—*Relations with Building Superintendent, Department of Public Works and Special Arrangements.*

It is difficult to detail the duties carried out under this heading, but they nevertheless consume a considerable proportion of the time of the officer in charge of the section and certain members of the staff. This includes arrangements for moving of office furniture, accommodation for special conferences, etc., major moves of section as mentioned in (2) above, and the handling of specially large incoming or outgoing freight shipments.

### INFORMATION AND EDUCATION

#### *Introduction*

The eagerness with which the people of Ontario have sought information concerning their natural resources during the past year has been remarkable indeed.

The merger of the Departments of Lands and Forests and Game and Fisheries on June 2nd, 1946, increased considerably the scope and volume of work of this section. It is felt that good management of our fish and wildlife resources depends largely on the understanding and consequent co-operation of anglers and hunters. Enforcement of the fish and game laws and regulations is in itself economically impossible without such active co-operation. Therefore, the increased volume of appeals for observance of the fish and game laws during the year was considered to be justified.

#### *Staff*

(1) The clerical-stenographic staff was increased from three to four during the year.

(2) The man appointed in charge of appeals in February, 1946, was transferred to the field staff in November, 1946, and was not replaced at head office.

(3) In May, 1946, a former member of the Department of Game and Fisheries took over the duty of answering general inquiries regarding fish and wildlife.

(4) In the early part of the year, two field lecturers were added to the staff,

and one more at a late date, bringing the full-time field staff up to four. Two other lecturers operated during the summer season.

(5) One full-time photographer and a photo-processor were engaged in the fall of 1946.

#### PUBLICATIONS

Twenty-three new booklets were published during the year, and ten others were reprinted, with revisions. Four issues of the Department's magazine "SYLVA", started in the previous year, were published.

The demand for publications increased, in many cases exceeding the supply. A great volume of letter writing by administrative officers was eliminated through the use of these publications.

##### *Publications for Distribution:*

###### *Air Service*

Wings Over the Bush.

###### *Fish and Wildlife*

Fur Farming in Ontario

Summary of the Game and Fisheries Act and Regulations

Game Birds Need Cover

Thou Shalt Not

The Cormorant in Ontario

The Chapleau Crown Game Preserve

Early Experiments in Fish Culture

Prairie Chicken in Ontario

Natural History of Algonquin Park

###### *Forest Protection*

Forest Fires Prevention Act and Regulations

Yes, We Fight Forest Fires

###### *Land and Recreational Areas*

Manual of Public Land Administration

Summer Resort Lands in Ontario

Lands for Settlement in Ontario

Canada's New Paradise for Sportsmen

Algonquin Provincial Park

Quetico Provincial Park

Rondeau Provincial Park

Parry Sound District (lands for sale)

Kenora District (lands for sale)

Sudbury District (lands for sale)

Algonquin Story (\$2.00 per copy)

###### *Research*

Pedology, the Dirt Science

D.D.T. in Ontario Forests

###### *Reforestation*

Care and Planting of Forest Trees

The Farm Woodlot

Forest Trees for Distribution

Windbreaks and Shelterbelts

Forest Tree Planting

*Reforestation—Continued*

Glacial Pot Hole Area, Durham County  
Planning for Tree Planting  
Reforestation

*Surveys*

List of Townships in Province of Ontario  
List of Lithographed Maps and Plans  
Ontario Surveys and the Land Surveyor  
Aerial Surveys in Ontario  
List of Water Powers in the Province of Ontario

*Timber Management*

Forest Resources of Ontario  
Crown Timber Regulations  
Crown Timber Dues  
Procedure to Cut Timber from Crown Lands  
Systems of Forest Cropping  
Manual of Scaling Instructions  
Woodmen's Employment Act  
Know Your Forest Trees  
Tree Chart  
Forest Trees of Ontario (50c. per copy)

*General*

Minister's Annual Report  
Indians of Ontario  
Ontario Forest Atlas (\$1.00 per copy)  
The History and Status of Forestry in Ontario  
Definitions of Important Branches of Forestry

## LECTURE TOURS

The lecture tours were highly successful in the past year. It is considered that the showing of motion pictures is one of the best means of influencing the public to become more careful in the use of fire in the woods, and in observance of the fish and game laws.

The feature pictures used were "To-morrow's Timber" and "Portage", supported by a number of short subjects. Towards the close of the year a fish and wildlife picture, entitled "Realm of the Wild" was purchased from a U.S. source. There is a great need for the production of conservation pictures in Ontario locale.

One picture, "Timagami Ranger" was produced under Department direction during the year, and will be available for showing at the start of the next fiscal year.

*Articles*

Forty-one press releases were issued during the year. In addition, data was supplied to reporters and editors for numerous articles. The 24,000 column inches of space given by Ontario newspapers to Department activities and interests represented a 20 per cent. increase over the previous year.

Fifty articles written by the staff of the Department, were published in magazines, in addition to over 1,000 news items. Several articles by feature writers were published in national magazines, based on material supplied by the Department.

LECTURE TOUR RECORD  
 APRIL 1, 1946 TO MARCH 31, 1947

| REGION                  | DISTRICT                   | SCHOOL MEETINGS |         | BOYS' & GIRLS' CAMPS |         | (1) PUBLIC MEETINGS |         | TOTALS 1946-7 |         | TOTALS 1945-6 |         |
|-------------------------|----------------------------|-----------------|---------|----------------------|---------|---------------------|---------|---------------|---------|---------------|---------|
|                         |                            | No.             | Attend. | No.                  | Attend. | No.                 | Attend. | No.           | Attend. | No.           | Attend. |
| Western . . . . .       | Kenora . . . . .           | 37              | 3,432   | 83                   | .....   | 8                   | 503     | 45            | 3,935   | 30            | 2,078   |
|                         | Fort Frances . . . . .     | 1               | .....   | .....                | .....   | 22                  | 2,134   | 23            | 2,217   | 10            | 847     |
|                         | Sioux Lookout . . . . .    | .....           | .....   | .....                | .....   | 15                  | 1,610   | 15            | 1,610   | 8             | 1,308   |
|                         | Port Arthur . . . . .      | .....           | .....   | .....                | .....   | 8                   | 400     | 8             | 400     | 120           | 14,977  |
| Mid-Western . . . . .   | Geraldton . . . . .        | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | 33            | 3,202   |
|                         | Sault Ste. Marie . . . . . | 81              | 8,120   | .....                | .....   | 14                  | 1,274   | 95            | 9,394   | 167           | 27,470  |
|                         | Sudbury . . . . .          | 85              | 5,688   | .....                | .....   | 13                  | 1,766   | 98            | 7,454   | 457           | .....   |
|                         | (2) Gogama . . . . .       | 6               | 457     | .....                | .....   | .....               | .....   | 6             | .....   | .....         | .....   |
| Central . . . . .       | (3) Chapleau . . . . .     | 105             | 7,896   | 12                   | 907     | 18                  | 1,500   | 135           | 10,303  | 33            | 4,363   |
|                         | North Bay . . . . .        | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
| Northern . . . . .      | Kapusasing . . . . .       | 29              | 7,844   | .....                | .....   | 6                   | 872     | 35            | 8,716   | 40            | 4,792   |
|                         | Cochrane . . . . .         | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | 72            | 8,239   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
| South Central . . . . . | Parry Sound . . . . .      | 4               | 989     | 10                   | 1,405   | 17                  | 1,533   | 31            | 3,927   | 23            | 3,362   |
|                         | Algonquin . . . . .        | .....           | .....   | 16                   | 2,550   | 22                  | 3,030   | 38            | 5,600   | 18            | 3,207   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
| South Eastern . . . . . | Quinte . . . . .           | 14              | 1,690   | 13                   | 1,657   | 29                  | 4,091   | 56            | 7,438   | 45            | 1,590   |
|                         | Rideau . . . . .           | 16              | 7,648   | 6                    | 6       | 12                  | 2,075   | 28            | 9,723   | 2,202         | .....   |
|                         | Trent . . . . .            | 1               | 69      | 6                    | 994     | 11                  | 1,139   | 18            | .....   | .....         | .....   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
| South Western . . . . . | Lake Simcoe . . . . .      | 6               | 1,372   | 1                    | .....   | 77                  | 5,968   | 83            | 7,340   | (4) 65        | 5,000   |
|                         | Lake Huron . . . . .       | 20              | 5,702   | .....                | .....   | 33                  | 5,661   | 54            | 11,386  | 70            | 3,036   |
|                         | Lake Erie . . . . .        | .....           | .....   | .....                | .....   | 13                  | 1,321   | 13            | .....   | .....         | .....   |
|                         | .....                      | .....           | .....   | .....                | .....   | .....               | .....   | .....         | .....   | .....         | .....   |
|                         |                            |                 |         |                      |         |                     |         | 781           | 93,423  | 734           | 83,471  |

(1)—"Public Meetings" has reference to meetings at service clubs, various types of associations, logging camps, and forest communities.

(2) and (3)—The Gogama and Chapleau districts formerly formed parts of the Sudbury district.

(4)—The 65 meetings with an attendance of 5,000 were not included in last year's report. These meetings were put on by members of the head office staff.

## POSTERS

The following cards were issued during the year, for posting in Northern Ontario forests:

Campsite  
Do Not Set Out Fires  
Forest Fire Law  
Forest Fires are Caused By  
A Good Sportsman Stops to Smoke  
He Is Burning Your Forest  
Look Before You Leave  
Timber Seizure Notice  
Settlers and Others Burning Brush  
Stop—Have You Got Your Travel Permit  
Stop—Did You Put Out Your Campfire  
Trespassing is Forbidden  
Your Campfire

*Radio*

Seven 10-minute interview broadcasts were given over a Toronto station, and discs distributed to 16 Ontario stations for recording. All of these were informative.

Radio stations in Ontario rendered valuable assistance to District Foresters in broadcasting spot messages in connection with forest fires.

*Advertising*

A total of 98 advertisements were placed with Ontario daily and weekly newspapers, calling for tenders for the sale of Crown Timber. Sixty additional advertisements were placed in connection with the Railway Fire Charge Act, Culler's Examinations, sale and purchase of equipment, etc. An announcement of the opening of the hunting seasons for game birds was published in 350 Ontario daily and weekly newspapers.

Conservation appeals in the form of display-type advertisements were published in four Ontario dailies in connection with special events of associations.

Sixty-one conservation appeal display advertisements were published in magazines. Fourteen of these were in timber journals, and seven in special timber issues of business and financial periodicals. Of the balance, twenty-five were placed in fishing and hunting and outdoor magazines or sports programmes, three in farm journals, and twelve in war veterans, police, labour and like journals.

*School Work*

A forest fire prevention poster contest was conducted, in co-operation with the Department of Education, in the 34 School Inspectorates of northern Ontario. After preliminary selections by the schools and local committees, 285 posters were submitted to the final judging committee. The excellence of the posters, the instruction received by the pupils, and the fire prevention publicity accorded by the press and magazines fully justified the contest.

In addition to the lecture work by the staff in the schools and the general type of literature provided to teachers, it is felt that a limited variety of publications, specially prepared as teachers' aids, would be of great assistance in developing a greater natural resource consciousness in our oncoming generations.

## EXHIBITS

Many of the larger fairs, exhibitions, and sportsmen's shows which had been inoperative since early in the war, reopened in the 1946-47 season. A record of the exhibits placed by the Department during the year follows:

| EXHIBITIONS   | SPONSOR   | PLACE     | DATES            | AREA      | TYPE   |
|---|---|-----------|------------------|-----------|--|
| International Plowing Match . . . . .   | Ontario Plowman's Assoc. . . . .  | Goderich  | Oct. 14-18, 1946 | 75' x 25' | Reforestation, Fire Prevention, Fish and Wildlife.         |
| Royal Winter Fair . . . . .   | Royal Agricultural Winter Fair Association . . . . .  | Toronto   | Nov. 12-20, 1946 | 83' x 42' | Reforestation, Fire Prevention, Fish and Wildlife.         |
| Barrie Winter Fair . . . . .  | Barrie Winter Fair Association . . . . .  | Barrie    | Dec. 5-6, 1946   | 32' x 12' | Reforestation.   |
| Northern Ontario Outfitters' Assoc. Northern Ontario Outfitter's Assoc. Annual Meeting and SportsCarnival | Northern Ontario Outfitters' Assoc. Northern Ontario Outfitter's Assoc. Annual Meeting and SportsCarnival | Sudbury   | Feb. 2-4, 1947   | 35' x 10' | Fish and Wildlife, Recreation Land Sales, Fire Prevention. |
| Hamilton Sportsmen's Show . . . . .   | Hamilton Angling & Hunting Assoc  | Hamilton  | Feb. 28, 1947    | 30' x 10' | Fish and Wildlife, Fire Prevention.                        |
| Western Sportsmen's Fair . . . . .  | Thames Boat Club . . . . .  | London    | Mar. 17-22, 1947 | 72' x 20' | Fish and Wildlife, Reforestation, Fire Prevention.         |
| Brantford Sportsmen's Show . . . . .  | Brant Rod & Gun Club . . . . .  | Brantford | Mar. 28-29, 1947 | 40' x 15' | Fish and Wildlife, Fire Prevention.                        |

In addition to the above, a number of small exhibits were placed by the reforestation field staff at County fairs.

With the re-opening in the coming year of the Canadian National Exhibition at Toronto and the Central Canada Exhibition at Ottawa, together with the prospect of very large scale sportsmen's shows in these same cities, the staff will be heavily taxed in the planning, construction and servicing of exhibits.

*Correspondence*

The volume of correspondence in response to letters of inquiry for information increased considerably over past years, due particularly to the inclusion of general inquiries concerning fish and wildlife, amounting to approximately 4,200 letters with reference to this subject alone.

*Miscellaneous Activities*

In addition to other duties in connection with preparation, statistical compilation, research, distribution, and business routine, the Information and Education staff conducted tours of inspection with visitors, gave public relations training to other staff members, and attended meetings and conventions.



NORTHUMBERLAND FOREST—AN AREA REFORESTED BY THE DEPARTMENT OF LANDS AND FORESTS.

## DIVISION OF REFORESTATION

*Distribution of Trees*

The distribution of trees for the year under review reached a figure of 13,175,000, an increase of 2,000,000 over that of the previous season. This increase was largely due to the increased demand by private landowners.

On a cross-section study made of the results of this distribution, it was found that on private planting a very large percentage of loss had occurred. This was especially true of those trying to develop hardwood plantations on heavy clay soil. The losses sustained are attributed to a large number of causes, the outstanding being improper or careless planting, grass and weed competition, along with loss from rodents such as mice and rabbits, and a large percentage of loss from grazing.

It should be emphasized that the successful distribution of forest trees, and their proper development, is dependent on correct plans being made, through experienced forest officers or trained men in the field.

*Distribution to Schools*

Interest has continued in school planting through the competitions organized by the Ontario Horticultural Association. Trees sent out under these Competitions numbered 560,000.

*Seed Collection and Extraction*

This past season's seed crop was disappointing, as our important conifers, such as Red Pine and White Spruce, produced a very poor crop. There was a good crop of White Pine seed. This condition was brought about owing to the abnormal temperatures of early Spring, when hot weather and following freezing occurred during the flowering stage.

*Provincial Stations*

A new Forest Nursery and Provincial Forest Station has been established in North Western Ontario, near Port Arthur and Fort William. This Station, containing 400 acres, is located in the Township of Paipoonge. It is expected that this Nursery will provide planting stock for reforestation projects in North Western Ontario. It was found unsatisfactory to ship material from the older Stations in Southern Ontario.

TABLE No. 1  
 SUMMARY OF TREES DISTRIBUTED  
 (July 1, 1945 to June 30, 1946)

|                                    | Total Shipments | Conifers       | Hardwoods     | Total Trees    |
|------------------------------------|-----------------|----------------|---------------|----------------|
| <b>PRIVATE LANDS:</b>              |                 |                |               |                |
| Reforestation and Windbreaks.....  | 5,696           | 8,062,231      | 1,152,893     | 9,215,124      |
| School Children.....               | 651             | 401,770        | 158,378       | 560,148        |
| <b>SEMI-PUBLIC PROPERTIES.....</b> | <b>74</b>       | <b>126,954</b> | <b>33,458</b> | <b>160,412</b> |
| <b>MUNICIPAL PROPERTIES:</b>       |                 |                |               |                |
| Municipal Forests.....             | 44              | 1,576,050      | 145,100       | 1,721,150      |
| Forest Plantations.....            | 29              | 175,050        | 23,100        | 198,150        |
| Roads.....                         | 29              | 187,625        | 7,875         | 195,500        |
| School Demonstration Plots.....    |                 |                |               |                |
| Sundry.....                        | 12              | 9,115          | 5,800         | 14,915         |
| <b>PROVINCIAL CROWN LANDS:</b>     |                 |                |               |                |
| Northern Plantations.....          | 6               | 483,200        | 14,700        | 497,900        |
| Forests.....                       |                 |                |               |                |
| Ranger Plantations.....            | 3               | 2,425          | 100           | 2,525          |
| Air Services.....                  |                 |                |               |                |
| Nurseries.....                     | 2               | 2,700          | 2,350         | 5,050          |
| Parks.....                         | 4               | 10,800         | 900           | 11,700         |
| Highways.....                      | 3               | 91,600         | 33,675        | 125,275        |
| H.E.P.C.....                       |                 |                |               |                |
| Hospitals.....                     | 1               | 500            |               | 500            |
| Penal Institutions.....            | 3               | 50,750         |               | 50,750         |
| Sundry.....                        | 8               | 114,425        | 24,410        | 138,835        |
| <b>DOMINION CROWN LANDS.....</b>   | <b>17</b>       | <b>181,781</b> | <b>9,545</b>  | <b>191,326</b> |
| Sub-totals.....                    |                 | 11,476,936     | 1,612,284     | 13,089,260     |
| <b>MISCELLANEOUS.....</b>          | <b>21</b>       | <b>55,880</b>  | <b>30,435</b> | <b>86,315</b>  |
| Totals.....                        | 6,603           | 11,532,856     | 1,642,719     | 13,175,575     |

TABLE No. 2  
TREES DISTRIBUTED TO PRIVATE LANDOWNERS  
(July 1, 1945 to June 30, 1946)

| County or District        | Applicants | Conifers  | Hardwoods | Totals    |
|---------------------------|------------|-----------|-----------|-----------|
| Algoma.....               | 18         | 36,045    | 1,721     | 37,766    |
| Brant.....                | 159        | 168,416   | 65,393    | 233,809   |
| Bruce.....                | 123        | 142,642   | 28,683    | 171,325   |
| Carleton.....             | 66         | 35,190    | 10,949    | 46,139    |
| Cochrane.....             | 3          | 1,595     | 115       | 1,710     |
| Dufferin.....             | 51         | 58,437    | 4,352     | 62,789    |
| Dundas.....               | 41         | 30,892    | 16,696    | 47,588    |
| Durham.....               | 148        | 601,600   | 47,328    | 648,928   |
| Elgin.....                | 181        | 424,299   | 58,448    | 482,747   |
| Essex.....                | 141        | 98,804    | 25,764    | 124,568   |
| Frontenac.....            | 32         | 31,948    | 10,182    | 42,130    |
| Glengarry.....            | 36         | 12,897    | 4,939     | 17,836    |
| Grenville.....            | 19         | 12,165    | 1,827     | 13,992    |
| Grey.....                 | 226        | 210,123   | 26,056    | 236,179   |
| Haldimand.....            | 109        | 99,542    | 35,247    | 134,789   |
| Haliburton.....           | 36         | 61,525    | 3,835     | 65,360    |
| Halton.....               | 111        | 156,754   | 29,799    | 186,553   |
| Hastings.....             | 58         | 90,855    | 13,332    | 104,187   |
| Huron.....                | 112        | 84,716    | 39,378    | 124,094   |
| Kenora.....               | 5          | 9,025     | 1,350     | 10,375    |
| Kent.....                 | 56         | 120,885   | 16,560    | 137,445   |
| Lambton.....              | 116        | 201,190   | 17,264    | 218,454   |
| Lanark.....               | 27         | 33,675    | 4,961     | 38,636    |
| Leeds.....                | 68         | 50,030    | 11,187    | 61,217    |
| Lennox and Addington..... | 34         | 48,900    | 6,758     | 55,658    |
| Lincoln.....              | 94         | 43,583    | 14,759    | 58,342    |
| Manitoulin.....           | 6          | 8,300     | 3,900     | 12,200    |
| Middlesex.....            | 219        | 261,679   | 39,720    | 301,399   |
| Muskoka.....              | 160        | 426,014   | 18,689    | 444,703   |
| Nipissing.....            | 6          | 7,325     | 115       | 7,440     |
| Norfolk.....              | 279        | 557,981   | 51,559    | 609,540   |
| Northumberland.....       | 98         | 130,360   | 26,785    | 157,145   |
| Ontario.....              | 207        | 333,191   | 36,330    | 369,521   |
| Oxford.....               | 124        | 231,090   | 43,091    | 274,181   |
| Parry Sound.....          | 72         | 372,300   | 8,680     | 380,980   |
| Patricia.....             |            |           |           |           |
| Peel.....                 | 198        | 223,105   | 35,979    | 259,084   |
| Perth.....                | 70         | 58,522    | 38,470    | 96,992    |
| Peterborough.....         | 212        | 184,345   | 23,256    | 207,601   |
| Prescott.....             | 12         | 23,206    | 5,375     | 28,581    |
| Prince Edward.....        | 34         | 26,805    | 3,862     | 30,667    |
| Rainy River.....          | 4          | 990       | .....     | 990       |
| Renfrew.....              | 29         | 20,650    | 4,030     | 24,680    |
| Russell.....              | 14         | 18,261    | 1,418     | 19,679    |
| Simcoe.....               | 465        | 1,007,265 | 67,637    | 1,074,902 |
| Stormont.....             | 23         | 22,277    | 12,414    | 34,691    |
| Sudbury.....              | 12         | 7,900     | 4,270     | 12,170    |
| Thunder Bay.....          | 9          | 18,925    | 1,425     | 20,350    |
| Timiskaming.....          | 10         | 6,525     | .....     | 6,525     |
| Victoria.....             | 51         | 72,970    | 9,505     | 82,475    |
| Waterloo.....             | 153        | 181,265   | 37,151    | 218,416   |
| Welland.....              | 151        | 104,115   | 25,913    | 130,028   |
| Wellington.....           | 81         | 74,861    | 18,626    | 93,487    |
| Wentworth.....            | 123        | 153,077   | 26,749    | 179,826   |
| York.....                 | 812        | 663,194   | 111,061   | 774,255   |
| Totals.....               | 5,696      | 8,062,231 | 1,152,893 | 9,215,124 |

TABLE NO. 3  
NUMBER OF TREES DISTRIBUTED EACH YEAR—1937-1946

|                | 1937       | 1938       | 1939       | 1940       | 1941       | 1942       | 1943       | 1944       | 1945       | 1946       |
|----------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Conifers.....  | 9,247,200  | 9,984,368  | 13,963,646 | 13,831,098 | 10,946,196 | 9,480,743  | 8,434,371  | 9,232,205  | 9,649,424  | 11,532,856 |
| Hardwoods..... | 1,350,371  | 1,740,752  | 2,487,607  | 2,907,437  | 2,327,438  | 1,621,904  | 1,896,198  | 1,767,174  | 1,631,557  | 1,642,719  |
| Cuttings.....  | 418,173    | 527,415    | 470,653    | 528,162    | 237,665    | 200,540    | 192,348    | .....      | .....      | .....      |
| Totals.....    | 11,015,744 | 12,252,535 | 16,921,906 | 17,266,697 | 13,511,299 | 11,303,187 | 10,522,917 | 10,999,379 | 11,280,981 | 13,175,575 |

## DIVISION OF RESEARCH

The Research Division completed a year of expansion during 1946 despite the fact that competent research personnel are difficult to obtain at any time, and particularly so under existing conditions of active competition from industry and educational institutions.

During the year three additional staff members were given full time employment; a botanical geneticist, a mammalogist, specializing in wildlife; and a fisheries biologist. It is hoped to be able to add further to the staff when competent, thoroughly trained people are available.

Because of the nature of research work, and the Division's stage of development, it is felt that only the highest grade of staff available should be considered for permanent appointments.

The urgency of many of the investigations looking to the expansion and continuity of forest operations, remains unchanged, and in many cases has been accentuated by the cumulative results of war wastage and the growing need for more efficient utilization and protection.

The Division's whole field of work has been broadened by the amalgamation of the Game and Fisheries and Lands and Forests Departments.

The following is a summary of the work carried out during the fiscal year 1946-47. Separate special reports have been made on all completed phases of the work.

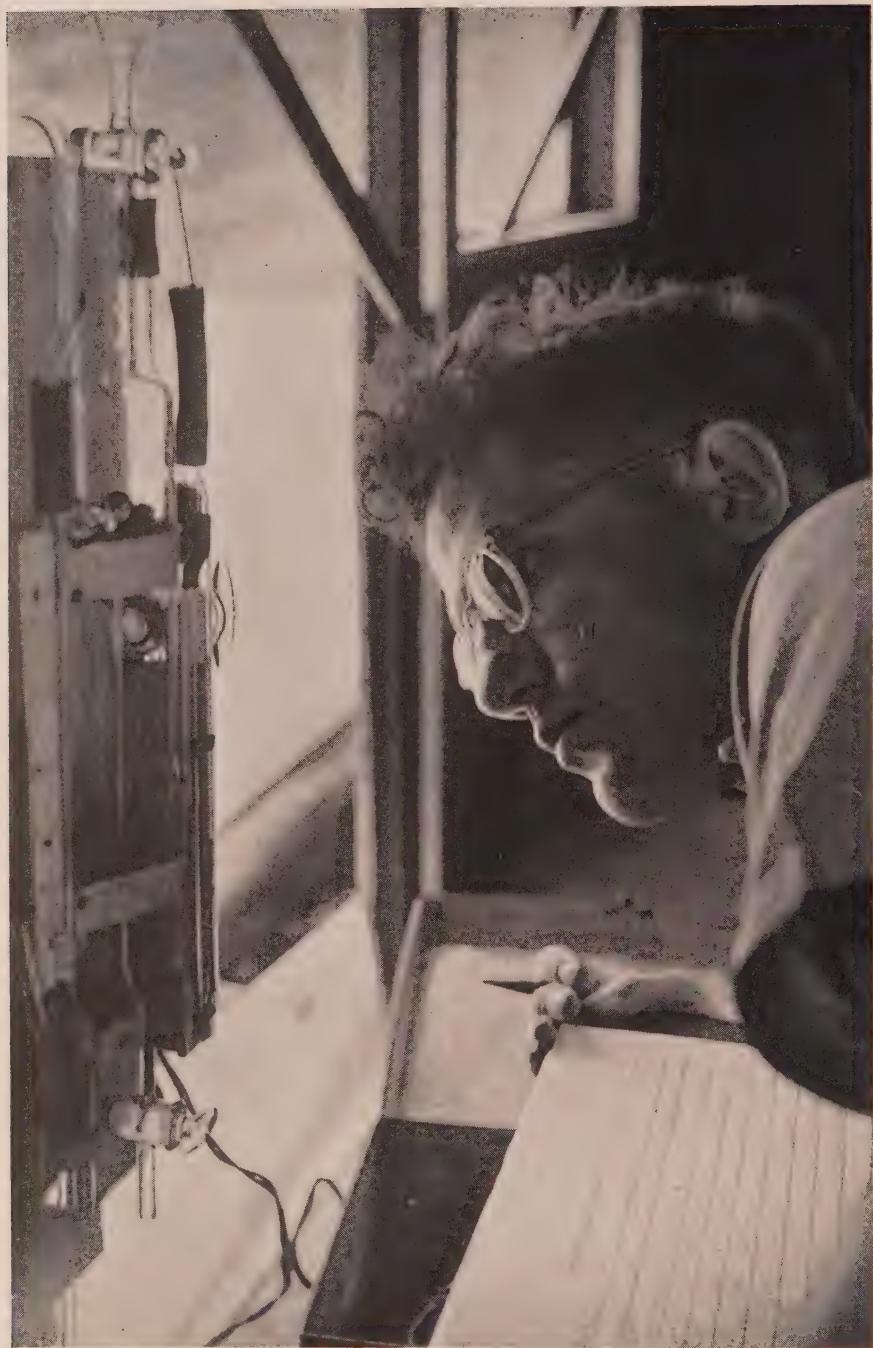
The following is a summary of people employed by this Division during the year:

|                                       |                               |
|---------------------------------------|-------------------------------|
| <i>Permanent</i> . . . . .            | 4 Foresters                   |
|                                       | 1 Mechanical Engineer         |
|                                       | 1 Soils Specialist            |
|                                       | —                             |
|                                       | 6                             |
| <i>Continuous Temporary</i> . . . . . | 1 Forester Geneticist         |
|                                       | 1 Chemist                     |
|                                       | 3 Draughtsmen                 |
|                                       | 3 Mechanics                   |
|                                       | 1 Building Superintendent     |
|                                       | —                             |
|                                       | 9                             |
| <i>Casual (Students)</i> . . . . .    | 30 Forestry undergraduates    |
|                                       | 18 Biology undergraduates     |
|                                       | 6 Other Course undergraduates |
|                                       | 9 High School Students        |
|                                       | —                             |
|                                       | 63                            |

The program covered during the year is outlined under the following headings:

*I. Biological Studies*

- Silviculture
- Soils
- Smelter Fumes
- Forest Genetics



ANALYZING THE SULPHUR-DIOXIDE CONTENT OF THE AIR FROM AN AIRCRAFT.

Artificial Reforestation by Seeding  
Game and Fisheries  
Forest Pest Control

II. *Economic and Management Studies.*

III. *Mechanical and Electrical Investigations.*

I. BIOLOGICAL

*Silviculture:*

The general object of these studies is to obtain information for sustained forest management. The work of the Research Division in the period reported on was undertaken to determine the adequacy of stocking of desirable species following cutting and fire and to devise methods to correct deficiencies. Experiments are or will be set up to check the results from recommended procedures in actual practice.

Surveys under this heading were carried on in the following areas in 1946:

- (1) Northern Clay Belt in the Kapuskasing District. This survey was under the direction of Professor R. C. Hosie and was originally organized in 1945 as a cooperative effort with the University and the Spruce Falls Power & Paper Co. The 1946 survey was intended to complete the work of 1945. A report has been published on both seasons' work.
- (2) In the Goulais River area north of Sault Ste. Marie. This work was undertaken in 1945 to study the effects of logging on a mixed stand and was undertaken as a cooperative effort with the Dominion Government. The main effort during the past summer was to relocate sample plots set out during the late 20's. No report has as yet been issued by the Dominion Forest Service who control this project.
- (3) In the Port Arthur and Kenora Districts. These surveys were undertaken to study regeneration following logging and fire. The species studied were mainly spruce, jack pine and poplar. The work was organized by the Research Division and was under the general direction of Mr. Peter Addison and Mr. Wilson Cram, Regional Foresters at Port Arthur and Kenora respectively. The field work was conducted by A. P. Leslie and H. C. Larsson, assisted by 18 students. Some 150,000 acres were examined during the season.

*Soils:*

The main object of this work is the separation of agricultural and forest soils and the classification of forest soils to ensure their most productive use. It was carried on under the direction of G. A. Hills. Field work was mainly in the Cochrane District and covered approximately 50,000 acres. A soil analysis laboratory was established at the Southern Research Station near Maple, Ontario. The results of these soil surveys can be used as a guide to land settlements and will also define the area of the Province which should be used for the growing of forest products.

*Smelter Fumes:*

This study is a continuation of the work of 1944-45 to determine damage to the forest by fumes from smelters at Sudbury and Falconbridge. Field work consisted of aerial sampling in the smelter smoke and on the ground using an

automatic recorder in the plane. Automatic ground recorders have now been set up at Bear Island, Emerald Lake, Skead, Capreol, Crystal Falls, Burwash and Lake Penage. The assistance of Mr. A. W. McCallum, Pathologist of the Dominion Department of Agriculture, and Dr. George Duff, of the University of Toronto, was obtained in studying pathological effects on trees and the deterioration of killed material. Meteorological effects were studied by the Dominion Meteorological Service. A secondary laboratory site was selected near Thessalon for controlled experiments in fumigation to be made in 1947.

#### *Forest Genetics:*

The services of a competent geneticist, Dr. C. C. Heimburer, were obtained in August of 1946. Dr. Heimburer will proceed with his work on the selection of a blister rust resistant strain of white pine and an aspen which will combine good growth, disease resistance and good pulping qualities. He has also started the establishment of an arboretum at Maple of all declimatized trees.

#### *Artificial Reforestation by Seeding:*

This project dealing mainly with the use of coated seed on burned areas commenced in the fall of 1946 and several burned areas were sown experimentally by hand and from an airplane. Seeds were coated at the Maple station using a combination of insecticides, rodent repellents and fertilizers.

A study of the seeding habits of pines, particularly red pine, was started this year under the direction of Dr. George Duff, of the University of Toronto, assisted by two undergraduates. This work is necessary because little is known of the seeding habits of trees or why their seed production is sporadic. It is thought that as a result of this work it may be possible finally to produce regular cone crops from plantation pine at an economic cost. This will reduce the uncertainty now attending naturally grown supplies of seed.

#### *Game and Fish:*

The main object of these studies is to increase the game and fish resources of the Province. Fisheries surveys were carried out during this season under the direction of Dr. W. J. K. Harkness and Dr. F. E. J. Fry in Algonquin, Sibley and Quetico Parks and in Lake Erie and Lake Ontario. The principal studies were directed towards the effect of coarse fish on game and commercial species and the improvement resulting from a balanced removal of all species or, in some cases, a heavy removal of coarse fish and restocking with desirable species.

Studies of habitat relationships such as water temperatures and food content in relation to fish numbers and health were continued at the Fish Laboratory near Whitney. Studies of planting Atlantic salmon were made in Duffin's Creek near Pickering, Ontario.

Wildlife studies were carried out under the direction of Dr. C. H. D. Clarke, assisted by 8 students, in Algonquin Park. A wilderness area of 30.5 sq. miles for the study of wildlife under natural conditions was established in Algonquin Park in 1944 and work was continued in this area. The principal study was directed towards obtaining a method of assessing animal populations that can be applied in forest and game management. The problem of animal diseases also received attention.

*Forest Pest Control:*

The object of this project was a thorough investigation of the possibility of controlling major forest insect infestations by the use of insecticides applied from aircraft. Following the program of 1945 when 100 square miles were sprayed, an additional 40 square miles were sprayed in the Thunder Bay district. This work organized by the Department received important contributions from the R.C.A.F. and the Science Service of the Dominion Department of Agriculture. The efficiency of the experiment was greatly increased over 1945, when five Canso planes under contract were used. In 1946 one Canso plane owned by the Department covered almost half the area sprayed in 1945. The total cost of the spraying operation amounted to \$3.23 per acre. Application of DDT ranged from 2 to 4 pounds per acre and a kill of budworm of over 90 per cent resulted from the 2 pound per acre application. A report has been issued.

## II. ECONOMIC AND MANAGEMENT STUDIES

Some further work was carried out in connection with the study of stumps as a basis for charges in timber disposal. All operators in Southern Ontario were canvassed as to willingness to cooperate in these studies, but no proper field work could be carried on because staff with the proper qualifications for this work are not yet available.

A study of the economics of cutting small pine was commenced in the southeastern part of Ontario by Mr. M. V. B. Ardenne, assisted by two students. This work would aid the Department and the operators in determining where profit ends and loss begins in the cutting of small timber. The result should make it easier to retain small timber for its full economic rotation.

## III. MECHANICAL AND ELECTRICAL INVESTIGATIONS

The main mechanical building of the Research Station near Maple was completed and mechanical work was undertaken. Tests of various commercial forest fire pumping units were carried out as well as tests of fungicides for preventing decay of fire hose. A prototype cone extracting machine using infrared heat lamps was constructed. Some 40 jeeps and vehicles purchased by the Department were overhauled before being put into field use.

A superintendent's residence was completed, also a garage for storage of eight vehicles. A complete soils laboratory for physical and chemical analysis of soils was set up. A start was made on a fisheries research laboratory which will feature the unique "artificial lake", where any condition found in natural lakes may be recreated in the laboratory and thus aid in obtaining knowledge of fish that will facilitate artificial and natural stocking and fish culture of all kinds. A test well for water supply to this laboratory was drilled and an adequate supply of high quality water assured.



A LOW ALTITUDE VERTICAL AERIAL PHOTOGRAPH OF THE SOUTHERN EXPERIMENTAL STATION  
AT MAPLE, ONTARIO.

## DIVISION OF SURVEYS AND ENGINEERING

The further development of the natural resources increased the activities of the Department as a whole and this was reflected in the work undertaken by this Division. In so far as qualified personnel were available, efforts were made to cope with the backlog of field and office work that had accumulated as the result of personnel shortages during the past years.

In the Forest Inventory Project as undertaken by the Department over a five year plan, the Division of Surveys and Engineering is responsible for covering 18,000 square miles by vertical photography and the preparation of planimetric maps to a scale of four inches to one mile. An area of 5,054 square miles has been photographed during the past fiscal year. Ground control surveys were undertaken in the Districts of Cochrane and Thunder Bay to provide accurate and sufficient ground control points in areas previously unsurveyed.

The preservation of our survey records, representing land surveys carried out over the length and breadth of the Province over the past 150 years, is most important. The work of microfilming the field books was commenced this year and the films stored in fireproof containers.

The following aerial and ground surveys were undertaken during the fiscal year ending March 31st, 1947:

### GROUND SURVEYS SECTION

Survey instructions were issued for the following surveys:—

#### *Crown Surveys*

1. Base line survey in the District of Cochrane, extending from Maund Township to the boundary between the Provinces of Ontario and Quebec. This survey required to provide ground control for aerial photography in connection with the forest inventory project.
2. Re-establishing an original survey corner on Gold Island, Township of Cody, District of Cochrane.
3. Survey of additional building lots at Longlac, in the Township of Daley, District of Thunder Bay.
4. Survey of additional building lots in the Townsite of Alexandra, Township of Shackleton, District of Cochrane.
5. Resurvey of part of the boundary between townships 83 and 84, District of Thunder Bay.
6. Survey to locate building encroachments on Crown Lands, below high water mark, in the Improvement District of Wasaga Beach, Township of Sunnidale.
7. Retracement Survey of the boundaries of the Township of Hearst. (Survey costs borne by the Department of Mines).
8. Retracement survey of the north, west and south boundaries of the Township of McElroy (Survey costs borne by the Department of Mines).
9. Control traverse of part of the Aguasabon River, District of Thunder Bay.
10. Retracement survey of part of the third concession from lots 1 to 12 inclusive, Township of Methuen, County of Peterborough.

11. Retracement survey of certain boundaries in the Townships of Rolph, Head, Maria, Clara, Cameron, Papineau and Mattawan. (Survey costs borne by The Hydro-Electric Power Commission of Ontario).
12. Retracement of boundary between concessions VII and VIII from lot 31 to the west boundary of the Township of Cornwall and the establishment of certain corners of Township lots.
13. Retracement survey to delimit the boundaries of lots 37, 38, 39 and 40, Con. II, N.R. Township of Watten, District of Rainy River.

#### *Municipal Surveys*

No. 818—Jarvis Street, between King and Queen Streets, City of Toronto.

No. 820—Parts of the line between concessions IX and X, Township of North Walsingham, County of Norfolk.

No. 821—South boundary of the township of Lake, County of Hastings, across Concession 5 and the line between Concessions 1 and 2, Lots 1 to 32 inclusive.

No. 822—Boundary line between the townships of Methuen and Belmont in the County of Peterborough, from the 5th concession line easterly to the boundary between the Townships of Marmora and Lake.

#### *Private Surveys on Crown Lands*

Under authority of Section 37 of the Public Lands Regulations, 388 summer resort locations were surveyed and the returns of survey filed in the Department. One hundred and thirty surveys of this number were surveyed under direct departmental instructions to the surveyor where the applicant paid in the sixty dollar survey fee as specified in Section 37 of the Public Lands Regulations.

Under provisions of the Mining Act, the survey returns of 840 mining claims were filed in the Department for examination and approval.

#### *Townsite Subdivisions*

The following subdivisions of land affected by the provisions of the Townsites Act were surveyed on privately-owned lands, and approved by Orders-in-Council. A cash consideration was accepted by the Crown in lieu of selecting one quarter of the number of lots as surveyed.

| <i>Designation of Subdivision</i>  | <i>Date of Order-in-Council</i> |
|--|---------------------------------|
| 1. Part of Mining Claim MR 6252, Township of Cairo in the Townsite of Matachewan, District of Timiskaming.....               | April 9th, 1946.                |
| 2. Part of mining claim T.B. 4882, Township of Summers, Dillabough Townsite, District of Thunder Bay.....                    | Oct. 15th, 1946.                |
| 3. Part of Lot 7, Concession 5, Township of Merritt, District of Sudbury.....  | Oct. 15th, 1946.                |
| 4. Part of mining claim MR 9947 and MR 10263, Township of Cairo, in the Townsite of Matachewan, District of Timiskaming..... | Oct. 15th, 1946.                |
| 5. Part of lot 1, Concession 3, Township of Mountjoy, District of Cochrane.....  | Nov. 14th, 1946.                |

*Map Publications*

The following maps and booklets were revised and printed:—

Map 21c—District of Timiskaming and Parts of Sudbury and Nipissing. 5,000 copies of 1944 edition reprinted with some revisions to township names and district boundary colour scheme changed to full colours.

Map 23a—District of Thunder Bay, revised edition; 5,000 copies lithographed in full colours.

Map 21a—Southern Part of Province of Ontario. Reprint edition of 5,000 copies.

Booklet—"List of Townships" revised and reprinted. 1,000 copies.

List of—Maps and plans issued by the Division of Surveys and Engineering—revised and reprinted 5,000 copies.

A group of five maps was compiled, reproduced and lithographed relative to the book "Algonquin Story" published under the supervision of the Division of Operation and Personnel—10,000 copies of each of the following maps printed:

- (a) Topographic map of Huron and Ottawa Territory.
- (b) Area of Algonquin Provincial Park.
- (c) Exploration map of Huron and Ottawa Territory.
- (d) Map showing colonization roads in and around Algonquin Provincial Park.
- (e) Watershed map of Algonquin Provincial Park.

*Distribution of Maps*

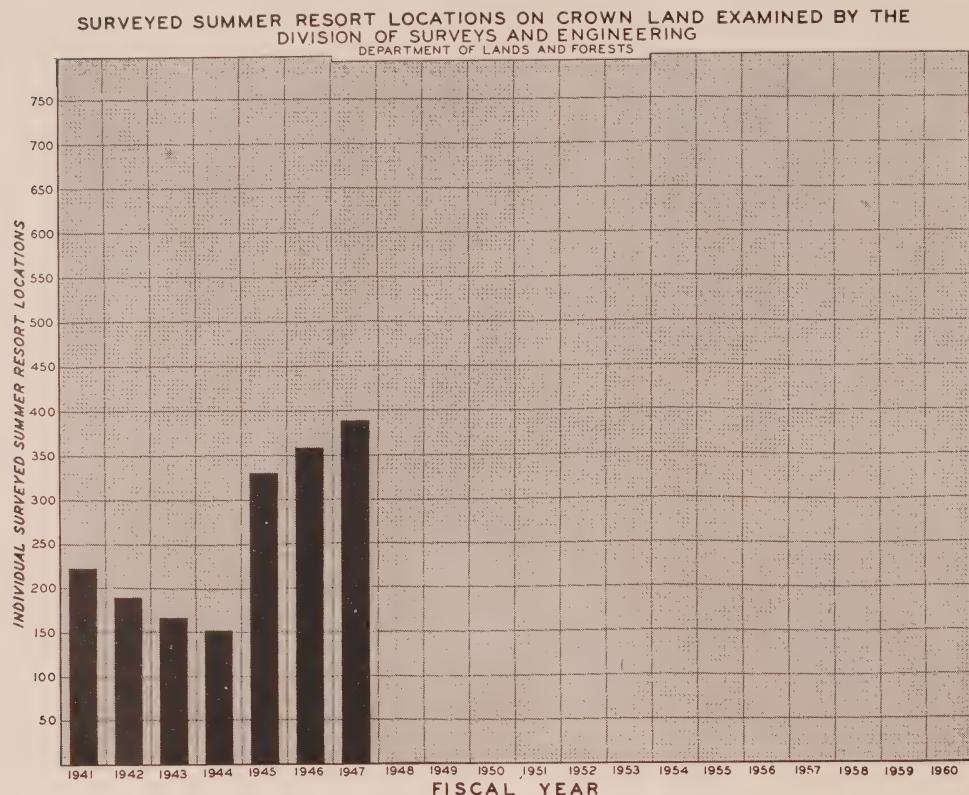
This Division is the central point for map distribution covering all Provincial issues and also the National Topographic Series for Ontario, as published by the Department of Mines and Resources in Ottawa. These maps are for sale to the public and distributed without charge for official Departmental use and publicity purposes. The acquisition of Crown Lands for summer resort purposes has increased considerably over past years, which, together with additional tourist activity, has resulted in an increased demand for maps as compared to the number distributed during the previous fiscal year.

*Distribution of Maps*

|                                       |        |
|---------------------------------------|--------|
| National Topographic Series . . . . . | 10,535 |
|---------------------------------------|--------|

*Provincial Maps*

|                            |        |
|----------------------------|--------|
| 20A (Free Issue) . . . . . | 3650   |
| District Maps . . . . .    | 7378   |
| Island Maps . . . . .      | 600    |
| 42A (Township) . . . . .   | 1772   |
| 33A (Electoral) . . . . .  | 141    |
| Miscellaneous . . . . .    | 3103   |
| <br>Total . . . . .        | 16,644 |
| <br>Grand Total . . . . .  | 27,179 |



Of the total number of maps distributed, approximately twenty per cent were distributed, without charge, for the official use of Provincial and Dominion Departments, Clergy, Red Cross and for educational and publicity purposes.

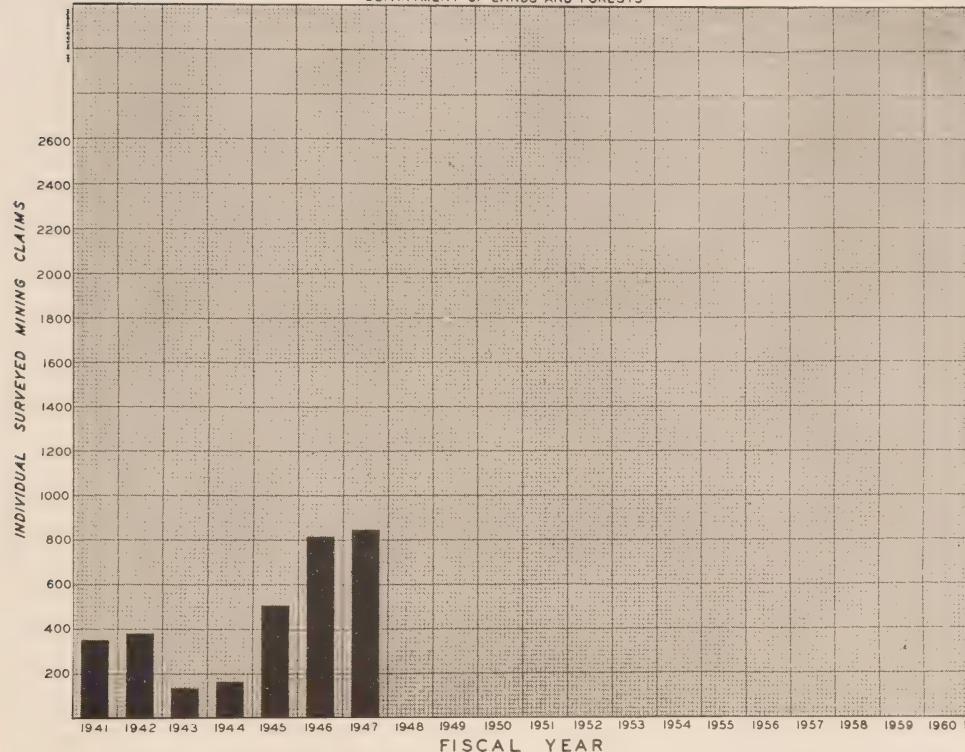
Cash receipts "over the counter" for maps, photostats and printing show an increase of approximately 30% over the previous year. The "over the counter" receipts represent 3,000 customers. Approximately an additional 5,000 over-the-counter enquiries were made by Departmental or Divisional personnel relative to maps and survey records.

5,000 letters of request for maps and copies of survey records were received and dealt with during the year. Revenue from this source shows an increase of 20% over the previous year.

#### *Survey Records*

This office has custody of all survey records of surveys made under instructions from this Department and other types of surveys affecting Crown lands. Copies are available to the public at the prescribed rates, and for official Departmental use. The returns of survey made each year comprising plans and field notes are registered, indexed and the field notes bound and filed. Numerous requests for copies or information pertaining to these survey records are received each year for Ground Survey purposes and as ground control for Aerial Photography and many other uses.

**SURVEYED MINING CLAIMS ON CROWN LAND EXAMINED BY THE  
DIVISION OF SURVEYS AND ENGINEERING  
DEPARTMENT OF LANDS AND FORESTS**



*Number of Survey Records on File*

|   |       |
|---|-------|
| Municipal Survey Plans (Approximately).....   | 800   |
| Municipal Survey Field Notes (Approximately).....   | 800   |
| Crown Land Survey Plans, mounted, filed flat, comprising original Townships, Townsites, Islands, Indian Reserves, and Miscellaneous.....  | 2,500 |
| Rolled Plans—Same as above, and including Railways, Power Transmission Lines, Flooding Lakes and Island Traverses, Subdivisions, etc.....   | 4,300 |
| Filed Flat in Volumes—Partial Township Plans, Island Plans, Mining Location Plans.....  | 7,000 |
| Crown Land Survey Field Note Books (Representing some 2800 surveys).....  | 2,700 |
| Miscellaneous Volumes—including Crown Land and Municipal Instruction Books, Letters Written, Letters Received and Letters Relating to Surveys, Field Note Volumes, Surveyors Letters, etc. .... | 350   |

In order to ensure preservation of the survey records, many of which are over 100 years' old and fast deteriorating with age, plans are being formulated for the treatment of original maps by a chemical process and the services of a bookbinder were obtained with the work of repairing and recovering all field note books and other volumes commenced in the latter part of January, 1947. Under this plan, the microfilming of all of the original survey records was also commenced in the latter part of January. By the end of this fiscal year, 1881 field note books and 94 other volumes representing a total of 259,000 pages had been microfilmed. For the present, it is planned to continue to use the original records and have the microfilmed negatives available for reproduction purposes in the event of the original records becoming indistinguishable with age.

It is planned to re-index and catalogue all of these records as time permits. In this connection the only progress made during this fiscal year was on the re-indexing of the field note books and the separation of all municipal survey records from the Crown Land Surveys. Plans only were formulated on the card index system for the re-indexing and cataloguing.

#### *Photostating*

In November, 1946, the Photostat Section was transferred from the Aerial Survey Section to the Ground Surveys under the supervision of the Map Office, which is the central point for the ordering of all photostatic material for this Department. A notable item was the supplying of some 25,000 photostatic copies of pages of field notes for the aerial mapping portion of the Forest Resources Inventory Programme.

The photostat service is available to other Departments of the Government, insofar as the copying of their records is concerned, at the prescribed rates. This service extends also to Commissions of the Government and the public for copies of records held in this Department and work pertaining thereto.

It is estimated that it costs 15c to produce one square foot of photostat copy. Some 45,000 square feet of photostat paper was used during the fiscal year. The following is the approximate square footage of photostatic paper used for Departmental Divisions and District Offices, other than this Division, during the year:—

#### DIVISIONS

|                                 |            |
|---------------------------------|------------|
| Accounts.....                   | 130        |
| Forest Protection.....          | 110        |
| Land & Recreational Areas.....  | 310        |
| Law.....                        | 340        |
| Main Office.....                | 120        |
| Operation & Personnel.....      | 1,200      |
| Reforestation.....              | 70         |
| Research.....                   | 210        |
| Timber Management.....          | 2,000      |
| Forest Resources Inventory..... | 16,480     |
| Fish & Wildlife.....            | 30         |
| <br>Total.....                  | <br>21,000 |
| <br>—or 46½% of the Total       |            |

## DISTRICT OFFICES

|                       |                |
|-----------------------|----------------|
| Cochrane.....         | 5              |
| Fort Frances.....     | 410            |
| Geraldton.....        | 20             |
| Kapuskasing.....      | 140            |
| Pembroke.....         | 70             |
| Port Arthur.....      | 30             |
| Sault Ste. Marie..... | 75             |
| Sioux Lookout.....    | 1              |
| Sudbury.....          | 135            |
| Tweed.....            | 30             |
| Chapleau.....         | 75             |
| Gogama.....           | 5              |
| Trent.....            | 90             |
| <br>Total.....        | 1,086          |
| —or 2½% of the Total  |                |
| <br>GRAND TOTAL.....  | 22,086 Sq. Ft. |
| —or 49%               |                |

The balance or approximately 51% of the paper used was for the official work of this Division and for reproduction work for other Departments of the Government and the general public.

*Blue and OCE Printing*

The making of Blue and OCE prints is done through sources other than this Department. The orders placed through the Map Office represented some 116,000 square feet of paper for the whole Department, including the District Offices. Ground Surveys alone used approximately 57,000 square feet of paper, for office use and re-sale purposes.

Through public demand a stock of prints taken from Township plans, covering Parry Sound District are now available in this office. These plans are a compilation of the original survey with the Aerial Photography work as taken from the National Topographic Series maps.

## AERIAL SURVEYS SECTION

This Section covered 10,708 square miles with vertical photography during the above Fiscal Year.

Of this total, 9,772 square miles were for our own and other Departments of the Provincial Government, (including H.E.P.C.) while the remaining 936 square miles were for outside concerns.

Below is a table giving a breakdown of these figures.

|  | Area (Sq.<br>Miles) | Totals |
|--|---------------------|--------|
| <b>FOR OUTSIDE COMPANIES</b>           |                     |        |
| Owen Sound, Town Planning.....         | 15                  |        |
| *J. A. Mathieu, Rainy Lake.....        | 388                 |        |
| Union Gas Company.....                 | 50                  |        |
| Ontario-Minnesota P. & P. Co.....      | 323                 |        |
| Bell Telephone Co.....                 | 160                 |        |
|  |                     | 936    |
| <b>OTHER GOVERNMENT DEPARTMENTS</b>    |                     |        |
| Agriculture.....                       | 73                  |        |
| Highways.....                          | 594                 |        |
| *H.E.P.C.....                          | 806                 |        |
| *Mines.....                            | 515                 |        |
| Planning and Development.....          | 1,713               |        |
|  |                     | 3,665  |
| <b>DEPARTMENT OF LANDS AND FORESTS</b> |                     |        |
| *Talon Lake.....                       | 28                  |        |
| Rondeau Park.....                      | 15                  |        |
| Kenora District.....                   | 678                 |        |
| *Batchewana Extension.....             | 332                 |        |
| *Inventory.....                        | 5,054               |        |
|  |                     | 6,107  |
| Grand Total.....                       |                     | 10,708 |

\*Denotes Mapping Included.

## DIVISION OF TIMBER MANAGEMENT

During the season of 1946-47 there was still a strong demand for all kinds of forest products, resulting in continued activity in timber operations throughout the Province.

Although labor conditions were effected by the fact that prisoners-of-war were no longer available, this condition was to some extent offset by the return to bush operations of war service personnel and available civilians. As a consequence the timber operators were able to maintain production.

Weather conditions were generally favorable throughout the season enabling the operators to get their timber to the mills without delay.

A statement of timber cut during 1945-46 season and returned in 1946 is shown on Page 158, Table No. 1.

Statements showing production by administrative districts of the Province for the 1945-46 season are also shown on Pages 159-171, Tables No. 2 to 2L inclusive.

## FOREST RESOURCES INVENTORY

A post war project of considerable importance "The Forest Resources Inventory" was organized and placed in operation early in the year. The method adopted after a thorough study of existing methods and the remarkable advances in aerial photography during the war involved a complete coverage of the forested area of the Province by the most up to date aerial photography. From this, planimetric base maps were to be prepared and volumetric estimates made from a combined use of aerial photographs and the standard methods of ground survey.

The area to be covered consisted of 140,000 square miles. Of this area the aerial photography and planimetric mapping on 125,000 square miles was let by contract to the Photographic Survey Company, Ltd., the balance of 15,000 square miles to be done by the Aerial Surveys Section of the Division of Survey and Engineering of the Department of Lands and Forests.

The Aerial Photography was underway by June 1st and continued throughout the summer and fall season. An area of 29,777 square miles of aerial photography was completed under contract and an additional area of photography was completed by the Department.

Planimetric mapping was underway by November and by February delivery of base maps from the contractor were started and 4,429 square miles were delivered by the end of the year.

Type mapping from aerial photographs was started on receiving delivery of base maps. An area of 3,600 square miles being completed by the end of the year ready for field checking and final checking of maps and completion of the inventory.

## MANAGEMENT PLANS AND CONTROL

In writing more recent pulpwood and timber concession agreements in accordance with the Forest Management Act of 1947, clauses have been incorporated which provide for the submission of plans for the operation and management of the concession areas on a sustained yield basis or to maintain their production capacity. In order to supervise the preparation of these plans, the work has recently been put under the direction of a forester appointed for that purpose. It is his duty to prepare the outlines of the minimum requirements



LOADING TIMBER ON A TRUCK FROM A BOOM ON HERRIDGE LAKE.

for the compilation of plans to work in co-operation with the operators in their preparations, to analyze them when submitted, and put into effect the control necessary to assure the application of the plans as approved by the Department.

Additional foresters have been assigned to supervise current management projects in the Districts, and as the plans of the various operators are approved and additional Crown management units are established, management foresters will take over active control of this phase of timber management.

As at the end of March, 1947, fifty agreements have been written, covering approximately 60,000 square miles, which contain clauses providing for some form of management control through the submission before beginning operations.

During the past year the available information on the preparation of management plans of other forest authorities was reviewed, as were the agreements, to obtain a basic understanding of their requirements. A manual was prepared outlining the minimum requirements for working or management plans, operating plans, and annual cutting applications and the compilation of forest survey data collected to form a basis for such plans and applications. When completed this manual was forwarded to all the operators concerned.

Plans are now being received from operators, a substantial indication that the industry is prepared to co-operate in this program. Many more are actively engaged in the preparation of plans, but owing to the shortage of foresters available for conducting this work as a result of war conditions, there has been considerable delay. Now that the war is over it is expected that the conditions will be stabilized considerably and a great expansion in this program will become evident.

Arrangements have been made to have a closer check on proposed operations through the requirements of more detail in annual cutting applications and the subsequent inspection of woods operations. By means of the control planned there will unquestionably be much better utilization and less opportunity for the continuation of wasteful practices which were difficult to control under war conditions.

#### TIMBER SALES—1946-47

Details of the 78 new sales of timber made during the season, indicate that 560 square miles of timber limits were sold.

During the season 53 timber licences, comprising 158.25 square miles, were abandoned.

The status of the timber licensed areas in Ontario as at March 31st, 1947, was therefore as follows:

|   | Area<br>No. | Sq. Miles |
|---|-------------|-----------|
| Licences and Renewals Issued 1946-47..... | 878         | 11,276.25 |
| Licences, in Suspense:.....               | 28          | 433.75    |
| Total.....                                | 906         | 11,710.00 |

This is 702.25 square miles less than that under licence as at March 31st of the previous year. The 934.25 square miles not accounted for by new sales and abandonments, is the result of adjustments in the areas of individual timber licences.

*Pulpwood and Timber Agreements—1946-47*

Area under pulpwood concession and timber agreement as at March 31st, 1947—56,745 square miles.

## MILLS LICENSED 1946-47

The mills licensed during the season under the Mills Licensing Act were as follows:

|   |      |
|---|------|
| Less than 5,000 ft. daily capacity .....    | 506  |
| 5,000 ft. to 30,000 ft. daily capacity..... | 655  |
| Over 30,000 ft. daily capacity.....         | 42   |
| Number of Paper Mills.....                  | 35   |
| Total                                       | 1238 |

## PULPWOOD EXPORTS

Detailed statements of pulpwood exports are shown on Pages 172 and 173.

## SCALING

Scalers examinations were held during 1946 as follows:

|                            |                         |
|----------------------------|-------------------------|
| (1) Fort William (2) ..... | June 29th<br>Sept. 28th |
| (2) Minden .....           | May 10th                |
| (3) Swastika .....         | Nov. 2nd                |
| (4) Thessalon .....        | May 31st                |

The results were as follows:

|  | Fort William | Minden | Swastika | Thessalon |
|--|--------------|--------|----------|-----------|
|--|--------------|--------|----------|-----------|

|  |    |    |    |    |
|--|----|----|----|----|
| Number of Candidates.....              | 95 | 46 | 47 | 48 |
| Number obtaining full licences .....   | 29 | 10 | 9  | 19 |
| Number obtaining Sawlog licences ..... | .. | .. | 2  | 5  |
| No. obtaining Pulpwood licences..      | 10 | 3  | 8  | 8  |

The remainder of the candidates were either recommended for licence after further experience, or were not successful.

## AREA UNDER PULPWOOD AND TIMBER AGREEMENT

| FISCAL YEAR  | SQ. MILES |
|--------------|-----------|
| 1937-38..... | 54,625.50 |
| 1938-39..... | 62,643.00 |
| 1939-40..... | 65,330.00 |
| 1940-41..... | 65,497.50 |
| 1941-42..... | 66,509.50 |
| 1942-43..... | 71,636.50 |
| 1943-44..... | 56,690.50 |
| 1944-45..... | 59,853.00 |
| 1945-46..... | 53,754.00 |
| 1946-47..... | 56,745.00 |

## TABLES

Table No. 1—Statements of amounts of timber cut during the year ending March 31, 1946.

Table No. 2—Classification of annual timber returns for the year ending March 31, 1946, by Districts.

- 2      Algonquin
- 2a.    Cochrane
- b.   Fort Frances
- c.   Geraldton
- d.   Kapuskasing
- e.   Kenora
- f.   North Bay
- g.   Parry Sound
- h.   Port Arthur
- i.   Sault Ste. Marie
- j.   Sioux Lookout
- k.   Sudbury
- l.   Tweed

Table No. 3—Exported pulpwood—cords, for the year ending March 31, 1946.

Table No. 4—Exported pulpwood—species, for the year ending March 31, 1946.

Table No. 5—Timber areas sold during the year ending March 31, 1947.

Table No. 6—Timber areas abandoned during the year ending March 31, 1947.

Table No. 7—Timber areas transferred during the year ending March 31, 1947.

TABLE No. 1  
STATEMENT OF AMOUNT OF TIMBER CUT  
FOR THE YEAR ENDING MARCH 31, 1946

| Species                           | Pieces     | Feet        | Cords        | Equivalent<br>Volume<br>in Cubic Feet |
|-----------------------------------|------------|-------------|--------------|---------------------------------------|
| White and Red Pine.               | 2,408,570  | 114,356,073 |              | 30,549,783                            |
| Jack Pine.....                    | 4,870,136  | 73,804,189  | 286,625.72   | 60,449,730                            |
| Spruce.....                       | 1,987,256  | 43,894,185  | 1,971,579.91 | 193,286,173                           |
| Balsam.....                       | 36,116     | 548,966     | 165,413.69   | 15,145,749                            |
| Hemlock.....                      | 521,732    | 20,154,096  |              | 5,462,014                             |
| Birch.....                        | 218,998    | 14,812,385  |              | 3,214,204                             |
| Maple.....                        | 110,285    | 5,942,131   |              | 1,527,094                             |
| Other Hardwoods.....              | 72,453     | 4,086,550   |              | 963,978                               |
| Poplar.....                       | 442,674    | 7,839,234   | 29,584.91    | 6,086,565                             |
| Cedar.....                        | 6,973      | 87,969      |              | 46,217                                |
| Tamarac.....                      | 1,083      | 14,289      |              | 6,776                                 |
|                                   | 10,676,276 | 285,540,067 | 2,453,204.23 | 316,738,283                           |
| Species                           | Pieces     | Lin. Ft.    | Cords        | Cu-Ft.                                |
| Ties.....                         | 246,571    |             |              | 739,713                               |
| Poles.....                        | 116,711    |             |              | 1,108,511                             |
| Posts.....                        | 20,730     |             |              | 31,095                                |
| Fuelwood.....                     |            |             | 19,777.08    | 1,779,930                             |
| Lagging and Mining<br>Timber..... |            | 41,413      |              | 414,503                               |
| Piling.....                       | 384,012    | 41,413      | 19,777.08    | 4,073,752                             |

TABLE NO. 2  
 ALGONQUIN DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species                   | Cords     | Pieces  | Feet       | Dues        | Bonus       | Total        |
|---------------------------|-----------|---------|------------|-------------|-------------|--------------|
| Pine Logs.....            |           | 225,651 | 7,449,400  | \$18,623.43 | \$12,546.93 | \$31,170.36  |
| Pine Booms.....           |           | 81      | 5,798      | 14.50       |             | 14.50        |
| Jack Pine Logs.....       |           | 90,024  | 1,259,934  | 3,149.86    | 772.45      | 3,922.31     |
| Jack Pine Booms.....      |           | 70      | 6,442      | 16.11       | 2.78        | 18.89        |
| Ash Logs.....             |           | 213     | 10,357     | 25.89       |             | 25.89        |
| Balsam Logs.....          |           | 3,324   | 38,429     | 76.86       | 2.52        | 79.38        |
| Basswood Logs.....        |           | 1,870   | 74,597     | 186.47      | 285.54      | 472.01       |
| Birch Logs.....           |           | 44,654  | 2,818,641  | 7,046.62    | 5,818.85    | 12,865.47    |
| Cedar Logs.....           |           | 73      | 1,141      | 1.71        | 1.64        | 3.35         |
| Cherry Logs.....          |           | 233     | 7,724      | 19.31       | 22.48       | 41.79        |
| Elm Logs.....             |           | 380     | 20,969     | 52.42       | 78.78       | 131.20       |
| Hemlock Logs.....         |           | 73,044  | 2,977,527  | 4,466.29    | 421.57      | 4,887.86     |
| Maple Logs.....           |           | 21,883  | 1,166,244  | 2,915.59    | 3,277.83    | 6,193.42     |
| Oak Logs.....             |           | 3       | 74         | .18         | .33         | .51          |
| Poplar Logs.....          |           | 150,420 | 3,056,909  | 6,113.84    | 4,889.90    | 11,003.74    |
| Spruce Logs.....          |           | 51,036  | 1,098,033  | 2,196.00    | 941.52      | 3,137.52     |
| Spruce Booms.....         |           | 554     | 69,675     | 174.18      | 178.91      | 353.09       |
| Fuelwood (Hard).....      | 62.70     |         |            | 31.35       |             | 31.35        |
| Ties.....                 |           | 115     |            | 11.50       | 14.50       | 26.00        |
| Posts.....                |           | 610     |            | 12.20       | 19.20       | 31.40        |
| Poles.....                |           | 3,530   |            | 1,095.25    | 906.75      | 2,002.00     |
| Poles (Cu-Ft.).....       |           | 33,819  | 279,066.53 | 9,750.98    |             | 9,750.98     |
| Balsam Pulpwood.....      | 793.34    |         |            | 555.33      |             | 555.33       |
| Poplar Pulpwood.....      | 705.92    |         |            | 282.38      | 168.38      | 450.76       |
| Spruce Pulpwood.....      | 10,154.60 |         |            | 14,216.44   | 135.66      | 14,352.10    |
| Jack Pine Pit Props.....  | 1,272.54  |         |            | 509.02      | 763.12      | 1,272.14     |
| J. P. Props Exported..... | 1,272.54  |         |            |             | 318.13      | 318.13       |
|                           |           |         |            | \$71,543.71 | \$31,567.77 | \$103,111.48 |

## Cut Under Permit

|                      |                   |
|----------------------|-------------------|
| Hemlock Logs.....    | 450,000 Ft. B. M. |
| Birch Logs.....      | 450,000 Ft. B. M. |
| Pine Logs.....       | 240,643 Ft. B. M. |
| Fuelwood (Hard)..... | 2,303.80 Cords    |
| Spruce Pulpwood..... | 1,700.47 Cords    |
| Ties.....            | 416 Pieces        |
| Poles.....           | 2,759 Pieces      |
| Posts.....           | 515 Pieces        |

TABLE NO. 2A  
COCHRANE DISTRICT  
CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1946

| Species              | Cords      | Pieces     | Feet      | Dues         | Bonus        | Total        |
|----------------------|------------|------------|-----------|--------------|--------------|--------------|
| Pine Logs.....       |            | 22,594     | 2,143,852 | \$ 5,359.61  | \$ 13,549.74 | \$18,909.35  |
| Pine Booms.....      |            | 7          | 1,773     | 4.43         | 13.73        | 18.16        |
| J. Pine Logs.....    | 1,295.300  | 14,703,315 | 29,252.13 | 72,230.06    | 101,482.19   |              |
| J. Pine Booms.....   |            | 2,035      | 110,293   | 275.73       | 506.27       | 782.00       |
| Balsam Logs.....     |            | 17,799     | 343,840   | 687.66       | 1,548.40     | 2,236.06     |
| Birch Logs.....      |            | 6,281      | 56,105    | 140.26       | 205.08       | 345.34       |
| Cedar Logs.....      |            | 53         | 240       | .36          | 1.32         | 1.68         |
| Poplar Logs.....     | 133,075    | 1,920,709  | 3,841.42  | 5,501.64     | 9,343.06     |              |
| Spruce Logs.....     | 398,475    | 9,418,957  | 18,837.90 | 55,808.47    | 74,646.37    |              |
| Spruce Booms.....    |            | 6,272      | 544,799   | 1,361.96     | 2,943.83     | 4,305.79     |
| Tamarac Logs.....    |            | 10         | 105       | .16          | 1.19         | 1.35         |
| Fuelwood (Hard)...   | 1,924.70   |            |           | 962.32       | 241.97       | 1,204.29     |
| Fuelwood (Soft)...   | 3,702.96   |            |           | 925.74       | 1,390.94     | 2,316.68     |
| Ties.....            |            | 2,921      |           | 292.10       | 175.26       | 467.36       |
| Poles.....           |            | 9          |           | 3.50         | 5.75         | 9.25         |
| Posts.....           |            | 738        |           | 14.76        | 41.43        | 56.21        |
| Balsam Pulpwood..    | 7,141.97   |            |           | 5,018.18     | 1,813.75     | 6,831.93     |
| Jack Pine Pulpwood   | 1,720.14   |            |           | 688.06       | 721.25       | 1,409.31     |
| Poplar Pulpwood...   | 7,062.64   |            |           | 2,825.06     | 2,118.08     | 4,943.14     |
| Spruce Pulpwood...   | 320,361.29 |            |           | 448,319.26   | 115,809.77   | 564,129.03   |
| Spruce Pit Props...  | 1,210.26   |            |           | 1,694.36     | 290.60       | 1,984.96     |
| Jack Pine Pit Props. | 13,843.17  |            |           | (5,537.37)   | 11,127.61    | 16,664.98    |
| Pulpwood Exported.   |            |            |           |              |              |              |
| Balsam.....          | 143.72     |            |           |              | 93.42        | 93.42        |
| Jack Pine.....       | 410.63     |            |           |              | 102.66       | 102.66       |
| Spruce.....          | 13,867.72  |            |           |              | 9,014.00     | 9,014.00     |
| Spruce Pit Props.    | 1,210.26   |            |           |              | 786.69       | 786.69       |
| J. Pine Pit Props.   | 13,843.17  |            |           |              | 3,460.72     | 3,460.72     |
|                      |            |            |           | \$526,042.33 | \$299,503.65 | \$825,545.98 |

## Cut Under Permit

|                     |                     |
|---------------------|---------------------|
| Balsam Logs.....    | 1,401 Ft. B. M.     |
| Birch Logs.....     | 3,072 Ft. B. M.     |
| Cedar Logs.....     | 1,147 Ft. B. M.     |
| Jack Pine Logs..... | 2,283,689 Ft. B. M. |
| Poplar Logs.....    | 934,148 Ft. B. M.   |
| Spruce Logs.....    | 620,356 Ft. B. M.   |
| Fuelwood (Hard)...  | 10,851.77 Cords     |
| Fuelwood (Soft).... | 10,000.00 Cords     |
| Spruce Pulpwood...  | 42,802.95 Cords     |
| Ties.....           | 18,057 Pieces       |
| Poles.....          | 2,202 Pieces        |
| Posts.....          | 1,881 Pieces        |

TABLE No. 2B  
 FORT FRANCES DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species                 | Cords     | Pieces  | Feet       | Dues         | Bonus       | Total        |
|-------------------------|-----------|---------|------------|--------------|-------------|--------------|
| Pine Logs.....          |           | 203,075 | 10,803,135 | \$27,007.81  | \$35,379.81 | \$62,387.62  |
| Pine Booms.....         |           | 1,199   | 269,138    | 672.83       | 1,171.59    | 1,844.42     |
| Jack Pine Logs.....     |           | 234,718 | 3,364,649  | 5,192.96     | 10,341.53   | 15,534.49    |
| Jack Pine Booms.....    |           | 3,486   | 226,643    | 566.60       | 608.91      | 1,175.51     |
| Ash Logs.....           |           | 136     | 2,380      | 5.95         | 5.95        | 11.90        |
| Birch Logs.....         |           | 105     | 2,886      | 7.21         | 7.21        | 14.42        |
| Poplar Logs.....        |           | 25,726  | 326,689    | 653.37       | 522.53      | 1,175.90     |
| Poplar Booms.....       |           | 314     | 16,574     | 41.43        | 32.94       | 74.37        |
| Spruce Logs.....        |           | 15,462  | 303,058    | 606.13       | 819.73      | 1,425.86     |
| Spruce Booms.....       |           | 378     | 48,957     | 122.38       | 191.52      | 313.90       |
| Poles.....              |           | 205     |            | 51.25        |             | 51.25        |
| Posts.....              |           | 7,130   |            | 142.60       |             | 142.60       |
| Fuelwood (Soft).....    | 642.00    |         |            | 160.50       | 119.30      | 279.80       |
| Balsam Pulpwood.....    | 215.10    |         |            | 150.57       | 24.22       | 174.79       |
| Jack Pine Pulpwood..... | 25,875.83 |         |            | 10,350.33    | 4,095.30    | 14,445.63    |
| Poplar Pulpwood.....    | 3,829.15  |         |            | 1,531.67     | 470.27      | 2,001.94     |
| Spruce Pulpwood.....    | 44,465.89 |         |            | 62,252.25    | 11,275.37   | 73,527.62    |
| Pulpwood Exported       |           |         |            |              |             |              |
| Jack Pine.....          | 16,616.55 |         |            |              | 4,154.12    | 4,154.12     |
|                         |           |         |            | \$109,515.84 | \$69,220.30 | \$178,736.14 |

## Cut Under Permit

|                         |                   |
|-------------------------|-------------------|
| Jack Pine Logs.....     | 21,673 Ft. B. M.  |
| Pine Logs.....          | 26,984 Ft. B. M.  |
| Poplar Logs.....        | 113,100 Ft. B. M. |
| Spruce Logs.....        | 20,104 Ft. B. M.  |
| Poles.....              | 21 Pieces         |
| Posts.....              | 7,687 Pieces      |
| Fuelwood (Hard).....    | 160.00 Cords      |
| Fuelwood (Soft).....    | 686.10 Cords      |
| Balsam Pulpwood.....    | 138.24 Cords      |
| Jack Pine Pulpwood..... | 503.65 Cords      |
| Poplar Pulpwood.....    | 2,554.48 Cords    |
| Spruce.....             | 1,002.68 Cords    |

TABLE No. 2c  
 GERALDTON DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species             | Cords      | Pieces  | Feet       | Dues         | Bonus        | Total        |
|---------------------|------------|---------|------------|--------------|--------------|--------------|
| Jack Pine Logs..... |            | 180,359 | 2,318,502  | \$ 5,684.48  | \$11,119.34  | \$16,803.82  |
| Jack Pine Booms...  |            | 367     | 35,258     | 88.15        | 165.47       | 253.62       |
| Poplar Logs.....    |            | 174     | 2,565      | 5.13         | 5.13         | 10.26        |
| Spruce Logs.....    |            | 46,029  | 574,821    | 1,149.64     | 3,298.17     | 4,447.81     |
| Spruce Booms.....   |            | 2,155   | 362,192    | 905.47       | 2,147.39     | 3,052.86     |
| Poles (Cu-Ft.)..... |            | 18,310  | 191,590.61 | 7,568.14     |              | 7,568.14     |
| Balsam Pulpwood..   | 27,578.04  |         |            | 19,304.62    | 11,114.52    | 30,419.14    |
| Jack Pine Pulpwood  | 42,719.06  |         |            | 17,087.62    | 685.92       | 17,773.54    |
| Poplar Pulpwood...  | 4,132.32   |         |            | 1,652.92     |              | 1,652.92     |
| Spruce Pulpwood...  | 276,421.18 |         |            | 386,989.65   | 50,629.59    | 437,619.24   |
| Pulpwood Exported   |            |         |            |              |              |              |
| Balsam.....         | 13,232.28  |         |            |              | 8,600.98     | 8,600.98     |
| Jack Pine.....      | 8,416.66   |         |            |              | 2,104.16     | 2,104.16     |
| Spruce.....         | 210,411.25 |         |            |              | 136,767.31   | 136,767.31   |
|                     |            |         |            | \$440,435.82 | \$226,637.98 | \$667,073.80 |

## Cut Under Permit

Jack Pine Logs..... 12,190 FT. B. M.  
 Poplar Logs..... 1,642 Ft. B. M.  
 Fuelwood (Soft)..... 3,857 Cords  
 Spruce Pulpwood..... 61 Cords

TABLE NO. 2D  
 KAPUSKASING DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species              | Cords      | Pieces  | Feet       | Dues         | Bonus        | Total        |
|----------------------|------------|---------|------------|--------------|--------------|--------------|
| Jack Pine Logs....   |            | 55,151  | 976,164    | \$ 2,062.16  | \$ 3,963.08  | \$6,025.24   |
| Jack Pine Booms...   |            | 198     | 19,057     | 47.63        | 89.97        | 137.60       |
| Birch Logs.....      |            | 15      | 387        | .97          | .97          | 1.94         |
| Poplar Logs.....     |            | 18,742  | 573,517    | 1,147.05     | 693.80       | 1,840.85     |
| Spruce Logs.....     |            | 585,488 | 9,447,385  | 18,894.76    | 25,966.40    | 44,861.16    |
| Spruce Booms.....    |            | 2,686   | 309,211    | 773.02       | 1,290.74     | 2,063.76     |
| Piling (Lin-Ft.).... |            | 203     | 7,555      | 188.88       |              | 188.88       |
| Piling (Cu-Ft.)....  |            | 70,934  | 414,503.93 | 7,461.07     |              | 7,461.07     |
| Fuelwood (Hard)...   | 2,090.79   |         |            | 1,045.39     | 104.53       | 1,149.92     |
| Fuelwood (Soft)...   | 288.62     |         |            | 72.16        | 36.16        | 108.32       |
| Ties.....            |            | 1,630   |            | 163.00       | 32.60        | 195.60       |
| Poles (Cu-Ft.)....   |            | 909     | 11,585.43  | 461.13       |              | 461.13       |
| Poles.....           |            | 941     |            | 282.00       | 282.00       | 564.00       |
| Balsam Pulpwood...   | 32,663.94  |         |            | 22,864.76    | 17,599.93    | 40,464.69    |
| Jack Pine Pulpwood   | 2,193.67   |         |            | 877.47       | 33.99        | 911.46       |
| Poplar Pulpwood...   | 25.18      |         |            | 10.07        | 13.85        | 23.92        |
| Spruce Pulpwood...   | 408,405.72 |         |            | 571,768.01   | 108,474.88   | 680,242.89   |
| Pulpwood Exported    |            |         |            |              |              |              |
| Jack Pine.....       | 500.00     |         |            |              | 125.00       | 125.00       |
| Balsam.....          | 1,880.94   |         |            |              | 1,222.60     | 1,222.60     |
| Spruce.....          | 278,047.64 |         |            |              | 180,730.95   | 180,730.95   |
|                      |            |         |            | \$628,119.53 | \$340,661.45 | \$968,780.98 |

## Cut Under Permit

|                     |                   |
|---------------------|-------------------|
| Poplar Logs.....    | 279,266 Ft. B. M. |
| Spruce Logs.....    | 622,741 Ft. B. M. |
| Poles.....          | 243 Pieces        |
| Posts.....          | 550 Pieces        |
| Fuelwood (Hard).... | 1,381.95 Cords    |
| Fuelwood (Soft).... | 3,782.77 Cords    |
| Spruce Pulpwood.... | 19,289.02 Cords   |

TABLE NO. 2E  
 KENORA DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species                 | Cords     | Pieces | Feet     | Dues         | Bonus       | Total        |
|-------------------------|-----------|--------|----------|--------------|-------------|--------------|
| Pine Logs.....          |           | 4,004  | 226,605  | \$ 566.50    | \$ 932.08   | \$ 1,498.58  |
| Pine Booms.....         |           | 497    | 67,050   | 167.61       | 258.62      | 426.23       |
| Jack Pine Logs.....     |           | 49,707 | 863,806  | 1,841.79     | 3,799.98    | 5,641.77     |
| Jack Pine Booms.....    |           | 531    | 30,495   | 76.23        | 172.34      | 248.57       |
| Poplar Logs.....        |           | 1,411  | 21,709   | 43.42        | 21.71       | 65.13        |
| Spruce Logs.....        |           | 12,690 | 273,685  | 547.36       | 1,386.98    | 1,934.34     |
| Spruce Booms.....       |           | 1,392  | 237,675  | 594.17       | 1,050.12    | 1,644.29     |
| Piling (Lin-Ft.).....   |           | 575    | 29,458   | 79.99        |             | 79.99        |
| Fuelwood (Hard).....    | 54.48     |        |          | 27.24        | 8.20        | 35.44        |
| Fuelwood (Soft).....    | 3,096.31  |        |          | 774.08       | 369.15      | 1,143.23     |
| Ties.....               |           | 21,665 |          | 2,166.50     | 912.48      | 3,078.98     |
| Poles (Cu-Ft.).....     |           | 3,682  | 4,617.36 | 138.52       |             | 138.52       |
| Poles.....              |           | 131    |          | 33.25        | 13.10       | 46.35        |
| Posts.....              |           | 804    |          | 16.08        | 64.32       | 80.40        |
| Balsam Pulpwood.....    | 6,414.14  |        |          | 4,489.89     | 252.44      | 4,742.33     |
| Jack Pine Pulpwood..... | 62,299.99 |        |          | 24,920.00    | 8,175.71    | 33,095.71    |
| Poplar Pulpwood.....    | 297.70    |        |          | 118.68       | 27.00       | 145.68       |
| Spruce Pulpwood.....    | 90,251.34 |        |          | 126,351.89   | 15,417.27   | 141,769.16   |
|                         |           |        |          | \$162,953.20 | \$32,861.50 | \$195,814.70 |

## Cut Under Permit

|                       |                   |
|-----------------------|-------------------|
| Pine Logs.....        | 60,229 Ft. B. M.  |
| Jack Pine Logs.....   | 37,089 Ft. B. M.  |
| Spruce Logs.....      | 105,233 Ft. B. M. |
| Piling (Lin-Ft.)..... | 13,048            |
| Fuelwood (Soft).....  | 5,161 Cords       |
| Spruce Pulpwood.....  | 2,836 Cords       |

TABLE NO. 2F  
NORTH BAY DISTRICT  
CLASSIFICATION OF ANNUAL TIMBER RETURN  
FOR THE YEAR ENDING MARCH 31, 1946

| Species                  | Cords     | Pieces  | Feet       | Dues         | Bonus        | Total        |
|--------------------------|-----------|---------|------------|--------------|--------------|--------------|
| Pine Logs.....           |           | 927,676 | 49,075,583 | \$122,688.91 | \$319,563.24 | \$442,252.15 |
| Pine Booms.....          |           | 2,505   | 432,110    | 1,080.24     | 2,397.02     | 3,477.26     |
| Jack Pine Logs.....      |           | 217,000 | 2,558,316  | 5,783.84     | 8,856.78     | 14,640.62    |
| Jack Pine Booms.....     |           | 661     | 46,915     | 117.28       | 114.21       | 231.49       |
| Balsam Logs.....         |           | 1,650   | 20,641     | 41.29        | 54.70        | 95.99        |
| Basswood Logs.....       |           | 23,449  | 2,052,607  | 5,131.51     |              | 5,131.51     |
| Birch Logs.....          |           | 29,763  | 1,931,611  | 4,829.02     | 2,241.80     | 7,070.82     |
| Cedar Logs.....          |           | 100     | 621        | .93          | .73          | 1.66         |
| Hemlock Logs.....        |           | 17,312  | 663,376    | 995.07       | 196.79       | 1,191.86     |
| Hemlock Booms.....       |           | 16      | 2,691      | 6.73         | 8.07         | 14.80        |
| Poplar Logs.....         |           | 21,280  | 314,010    | 628.02       | 791.98       | 1,420.00     |
| Spruce Logs.....         |           | 67,575  | 1,461,281  | 2,992.53     | 4,531.54     | 7,454.07     |
| Spruce Booms.....        |           | 1,099   | 140,203    | 347.49       | 214.28       | 561.77       |
| Fuelwood (Hard).....     | 333.13    |         |            | 166.56       |              | 166.56       |
| Fuelwood (Soft).....     | 107.46    |         |            | 26.86        | 35.01        | 61.87        |
| Ties.....                |           | 3,319   |            | 331.90       | 331.90       | 663.80       |
| Poles.....               |           | 1,923   |            | 655.00       | 415.95       | 1,070.95     |
| Posts.....               |           | 926     |            | 18.52        | 18.52        | 37.04        |
| Balsam Pulpwood.....     | 169.17    |         |            | 118.42       | .37          | 118.79       |
| Jack Pine Pulpwood.....  | 4,220.84  |         |            | 1,688.34     | 509.56       | 2,197.90     |
| Poplar Pulpwood.....     | 1,495.23  |         |            | 598.10       | 142.00       | 740.10       |
| Spruce Pulpwood.....     | 19,345.99 |         |            | 27,084.55    | 3,382.85     | 30,467.40    |
| Jack Pine Pit Props..... | 681.26    |         |            | 272.50       | 408.76       | 681.26       |
| Pulpwood Exported.....   |           |         |            |              |              |              |
| Spruce.....              | 44.81     |         |            |              | 29.13        | 29.13        |
| J. Pine Pit Props.....   | 681.26    |         |            |              | 170.31       | 170.31       |
|                          |           |         |            | \$175,533.61 | \$344,415.50 | \$519,949.11 |

## Cut Under Permit

|                      |                     |
|----------------------|---------------------|
| Basswood Logs.....   | 35,000 Ft. B. M.    |
| Birch Logs.....      | 587,000 Ft. B. M.   |
| Hemlock Logs.....    | 15,000 Ft. B. M.    |
| Pine Logs.....       | 1,978,000 Ft. B. M. |
| Jack Pine Logs.....  | 844,000 Ft. B. M.   |
| Poplar Logs.....     | 106,000 Ft. B. M.   |
| Spruce Logs.....     | 543,000 Ft. B. M.   |
| Fuelwood (Hard)..... | 15,497 Cords        |
| Fuelwood (Soft)..... | 13,010 Cords        |
| Ties.....            | 12,185 Pieces       |
| Poles.....           | 3,699 Pieces        |
| Posts.....           | 3,126 Pieces        |

TABLE NO. 2G  
 PARRY SOUND DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species             | Cords  | Pieces  | Feet       | Dues        | Bonus       | Total       |
|---------------------|--------|---------|------------|-------------|-------------|-------------|
| Pine Logs.....      |        | 25,728  | 1,515,962  | \$ 3,789.91 | \$ 581.96   | \$ 4,371.87 |
| Pine Booms.....     |        | 19      | 1,408      | 3.52        | .91         | 4.43        |
| Ash Logs.....       |        | 322     | 17,926     | 44.85       | 18.00       | 62.85       |
| Balsam Logs.....    |        | 801     | 9,647      | 19.29       |             | 19.29       |
| Basswood Logs.....  |        | 9,298   | 375,570    | 938.95      | 174.24      | 1,113.19    |
| Beech Logs.....     |        | 2,008   | 96,942     | 242.35      | 42.73       | 285.08      |
| Birch Logs.....     |        | 93,947  | 7,368,834  | 18,422.15   | 8,319.39    | 26,741.54   |
| Cedar Logs.....     |        | 462     | 8,518      | 12.78       | .91         | 13.69       |
| Cherry Logs.....    |        | 256     | 8,414      | 21.77       | 7.74        | 29.51       |
| Elm Logs.....       |        | 1,364   | 104,803    | 261.99      | 90.67       | 352.66      |
| Hemlock Logs.....   |        | 259,105 | 10,717,236 | 16,075.90   | 4,783.36    | 20,859.26   |
| Hemlock Booms.....  |        | 42      | 3,787      | 9.47        | 3.00        | 12.47       |
| Maple Logs.....     |        | 43,797  | 2,374,315  | 5,935.79    | 1,851.36    | 7,787.15    |
| Oak Logs.....       |        | 691     | 28,877     | 72.19       | 10.01       | 82.20       |
| Poplar Logs.....    |        | 355     | 9,069      | 18.14       |             | 18.14       |
| Spruce Logs.....    |        | 44,233  | 1,198,827  | 2,397.66    | 636.05      | 3,033.71    |
| Spruce Booms.....   |        | 611     | 53,858     | 134.70      | 7.80        | 142.50      |
| Tamarac Logs.....   |        | 393     | 3,888      | 5.83        |             | 5.83        |
| Fuelwood (Hard).... | 835.06 |         |            | 417.52      | 80.90       | 498.42      |
|                     |        |         |            | \$48,824.76 | \$16,609.03 | \$65,433.79 |

## Cut Under Permit

|                     |                     |
|---------------------|---------------------|
| Ash Logs.....       | 5,000 Ft. B. M.     |
| Balsam Logs.....    | 2,700 Ft. B. M.     |
| Bass Logs.....      | 225,000 Ft. B. M.   |
| Beech Logs.....     | 15,000 Ft. B. M.    |
| Birch Logs.....     | 394,699 Ft. B. M.   |
| Cedar Logs.....     | 4,500 Ft. B. M.     |
| Hemlock Logs.....   | 1,153,474 Ft. B. M. |
| Maple Logs.....     | 95,024 Ft. B. M.    |
| Pine Logs.....      | 1,401,302 Ft. B. M. |
| Spruce Logs.....    | 139,418 Ft. B. M.   |
| Fuelwood (Hard).... | 7,634 Cords         |
| Posts.....          | 1,218 Pieces        |
| Poles.....          | 4,174 Pieces        |

TABLE No. 2H  
 PORT ARTHUR DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species            | Cords      | Pieces     | Feet       | Dues         | Bonus        | Total          |
|--------------------|------------|------------|------------|--------------|--------------|----------------|
| Pine Logs.....     |            | 22,303     | 1,060,387  | \$ 2,650.94  | \$ 5,881.23  | \$ 8,532.17    |
| Pine Booms.....    |            | 76         | 18,033     | 45.08        | 135.25       | 180.33         |
| Jack Pine Logs...  | 1,374,217  | 23,490,268 | 42,362.85  | 38,297.74    |              | 80,660.59      |
| Jack Pine Booms.   | 1,531      | 69,917     | 174.78     | 296.78       |              | 471.56         |
| Balsam Logs.....   | 5,901      | 65,688     | 131.37     | 230.30       |              | 361.67         |
| Birch Logs.....    | 357        | 6,883      | 17.20      | 7.75         |              | 24.95          |
| Cedar Logs.....    | 1,664      | 21,914     | 32.87      | 57.24        |              | 90.11          |
| Poplar Logs.....   | 31,481     | 524,952    | 1,049.91   | 1,106.42     |              | 2,156.33       |
| Spruce Logs.....   | 406,654    | 9,273,872  | 18,547.76  | 29,939.69    |              | 48,487.45      |
| Spruce Booms....   | 10,969     | 1,893,218  | 4,733.01   | 9,448.45     |              | 14,181.46      |
| Tamarac Logs....   | 9          | 166        | .25        | .58          |              | .83            |
| Piling.....        | 141        | 8,694      | 20.02      | 10.25        |              | 30.27          |
| Ties.....          | 35,754     |            | 3,575.40   | 1,388.53     |              | 4,963.93       |
| Posts.....         | 110        |            | 2.20       | 6.60         |              | 8.80           |
| Poles (Cu-Ft.)...  | 20,358     | 266,772.59 | 10,699.63  |              |              | 10,699.63      |
| Fuelwood (Hard)    | 52.25      |            | 26.12      | 7.84         |              | 33.96          |
| Fuelwood (Soft) .. | 1,604.27   |            | 401.06     | 356.21       |              | 757.27         |
| Balsam Pulpwood    | 68,403.33  |            | 47,877.11  | 27,173.54    |              | 75,050.65      |
| J. Pine Pulpwood.  | 77,143.02  |            | 30,857.21  | 10,609.07    |              | 41,466.28      |
| Poplar Pulpwood.   | 5,391.71   |            | 2,156.68   | 104.36       |              | 2,261.04       |
| Spruce Pulpwood.   | 490,974.27 |            | 677,928.23 | 196,007.49   |              | 873,935.72     |
| Pulpwood Exp't'd.  |            |            |            |              |              |                |
| Balsam.....        | 26,151.14  |            |            | 16,998.22    |              | 16,998.22      |
| Jack Pine.....     | 32,970.18  |            |            | 8,242.54     |              | 8,242.54       |
| Spruce.....        | 84,267.63  |            |            | 54,773.95    |              | 54,773.95      |
|                    |            |            |            | \$843,289.68 | \$401,068.87 | \$1,244,369.71 |

## Cut Under Permit

|                      |                   |
|----------------------|-------------------|
| Balsam Logs.....     | 43,932 Ft. B. M.  |
| Birch Logs.....      | 4,320 Ft. B. M.   |
| Pine Logs.....       | 124,514 Ft. B. M. |
| Jack Pine Logs....   | 275,773 Ft. B. M. |
| Poplar Logs.....     | 46,596 Ft. B. M.  |
| Spruce Logs.....     | 57,399 Ft. B. M.  |
| Fuelwood (Hard)....  | 1,488.50 Cords    |
| Fuelwood (Soft)....  | 565.50 Cords      |
| Balsam Pulpwood....  | 55.00 Cords       |
| Jack Pine Pulpwood.. | 356.00 Cords      |
| Poplar Pulpwood....  | 630.84 Cords      |
| Spruce Pulpwood....  | 565.50 Cords      |
| Ties.....            | 526 Pieces        |
| Poles.....           | 2,140 Pieces      |
| Posts.....           | 300 Pieces        |

TABLE No. 21  
 SAULT STE. MARIE DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species                 | Cords      | Pieces  | Feet       | Dues         | Bonus        | Total        |
|-------------------------|------------|---------|------------|--------------|--------------|--------------|
| Pine Logs.....          |            | 309,927 | 21,121,508 | \$ 52,803.93 | \$ 56,655.93 | \$109,459.76 |
| Pine Booms.....         |            | 4,818   | 797,489    | 1,993.71     | 3,393.47     | 5,387.18     |
| Jack Pine Logs.....     |            | 112,901 | 3,149,623  | 7,874.05     | 11,803.89    | 19,677.94    |
| Jack Pine Booms.....    |            | 1,227   | 81,107     | 202.76       | 382.10       | 584.86       |
| Ash Logs.....           |            | 40      | 1,230      | 3.07         | 3.47         | 6.54         |
| Balsam Logs.....        |            | 326     | 3,794      | 7.59         | 16.87        | 24.46        |
| Birch Logs.....         |            | 7,951   | 462,184    | 1,167.94     | 2,227.30     | 3,395.24     |
| Cedar Logs.....         |            | 140     | 3,765      | 5.64         | 9.41         | 15.05        |
| Cedar Booms.....        |            | 1       | 50         | .12          | .10          | .22          |
| Elm Logs.....           |            | 6       | 804        | 2.01         | 2.21         | 4.22         |
| Hemlock Logs.....       |            | 3,788   | 224,611    | 336.90       | 521.01       | 857.91       |
| Hemlock Booms.....      |            | 7       | 488        | 1.22         | 1.10         | 2.32         |
| Maple Logs.....         |            | 5,103   | 166,309    | 415.75       | 511.47       | 927.22       |
| Oak Logs.....           |            | 595     | 39,814     | 99.53        | 112.41       | 211.94       |
| Spruce Logs.....        |            | 54,200  | 1,541,734  | 3,083.45     | 5,000.98     | 8,084.43     |
| Spruce Booms.....       |            | 1,937   | 202,565    | 506.39       | 1,043.78     | 1,550.17     |
| Ties.....               |            |         | 35,139     | 3,513.90     | 1,405.56     | 4,919.46     |
| Poles.....              |            |         | 296        | 89.50        | 77.50        | 167.00       |
| Car Stakes.....         |            |         | 2,096      | 41.92        |              | 41.92        |
| Balsam Pulpwood.....    | 15,393.02  |         |            | 10,775.11    | 1,719.04     | 12,494.18    |
| Jack Pine Pulpwood..... | 7,268.41   |         |            | 2,907.36     | 726.84       | 3,634.20     |
| Poplar Pulpwood.....    | 563.10     |         |            | 225.24       | 168.93       | 394.17       |
| Spruce Pulpwood.....    | 176,105.72 |         |            | 246,548.01   | 35,836.69    | 282,384.70   |
| Pulpwood Exported       |            |         |            |              |              |              |
| Spruce.....             | 28.10      |         |            |              | 18.26        | 18.26        |
| Balsam.....             | 47.89      |         |            |              | 31.13        | 31.13        |
|                         |            |         |            | \$332,605.03 | \$121,669.45 | \$454,274.48 |

## Cut Under Permit

|                      |                   |
|----------------------|-------------------|
| Birch Logs.....      | 801,464 Ft. B. M. |
| Hemlock Logs.....    | 245,760 Ft. B. M. |
| Maple Logs.....      | 99,304 Ft. B. M.  |
| Pine Logs.....       | 241,562 Ft. B. M. |
| Spruce Logs.....     | 144,762 Ft. B. M. |
| Fuelwood (Hard)..... | 2,333.94 Cords    |
| Spruce Pulpwood..... | 28.00 Cords       |

TABLE NO. 2J  
 SIOUX LOOKOUT DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species             | Cords      | Pieces  | Feet      | Dues         | Bonus       | Total        |
|---------------------|------------|---------|-----------|--------------|-------------|--------------|
| Pine Logs.....      |            | 11,232  | 444,582   | \$ 1,111.45  | \$ 3,843.52 | \$ 4,954.97  |
| Pine Booms.....     |            | 12      | 3,695     | 9.24         | 35.10       | 44.34        |
| Jack Pine Logs..... |            | 199,318 | 3,141,700 | 7,427.50     | 14,512.27   | 21,939.77    |
| Jack Pine Booms...  |            | 288     | 11,646    | 29.11        | 52.20       | 81.31        |
| Birch Logs.....     |            | 456     | 4,412     | 11.02        | 17.60       | 28.62        |
| Spruce Logs.....    |            | 20,416  | 410,401   | 820.80       | 1,944.30    | 2,765.10     |
| Spruce Booms.....   |            | 1,611   | 189,726   | 474.30       | 999.65      | 1,473.95     |
| Lagging (Lin-Ft)... |            | 200     | 4,400     | 14.67        |             | 14.67        |
| Ties.....           |            | 125,961 |           | 12,596.10    | 2,519.22    | 15,115.32    |
| Fuelwood (Soft)...  | 983.69     |         |           | 245.90       | 17.55       | 263.45       |
| Balsam Pulpwood...  | 5,508.33   |         |           | 3,855.84     | 39.19       | 3,895.03     |
| Jack Pine Pulpwood  | 7,384.29   |         |           | 2,953.72     | 1,277.23    | 4,230.85     |
| Spruce Pulpwood...  | 115,908.02 |         |           | 161,934.93   | 9,142.93    | 171,077.86   |
| Pulpwood Exported   |            |         |           |              |             |              |
| Balsam.....         | 1,622.58   |         |           |              | 1,054.67    | 1,054.67     |
| Jack Pine.....      | 2,155.24   |         |           |              | 538.81      | 538.81       |
| Spruce.....         | 21,459.21  |         |           |              | 13,948.49   | 13,948.49    |
|                     |            |         |           | \$191,484.58 | \$49,942.73 | \$241,427.31 |

## Cut Under Permit

|                     |                     |
|---------------------|---------------------|
| Jack Pine Logs..... | 60,103 Ft. B. M.    |
| Spruce Logs.....    | 1,810,414 Ft. B. M. |
| Fuelwood (Soft).... | 11,890.75 Cords     |
| Spruce Pulpwood.... | 1,275.62 Cords      |
| Ties.....           | 677 Pieces          |
| Poles.....          | 46 Pieces           |
| Posts.....          | 49 Pieces           |
| Lagging.....        | 392,378 Lin-Ft.     |

TABLE No. 2K  
 SUDBURY DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species              | Cords     | Pieces    | Feet       | Dues         | Bonus        | Total        |
|----------------------|-----------|-----------|------------|--------------|--------------|--------------|
| Pine Logs.....       |           | 410,571   | 12,225,771 | \$30,564.44  | \$61,431.25  | \$91,995.69  |
| Pine Booms.....      |           | 1,029     | 114,426    | 286.06       | 640.60       | 926.66       |
| Jack Pine Logs.....  |           | 1,046,211 | 17,125,666 | 35,788.29    | 82,800.94    | 118,589.23   |
| Jack Pine Booms...   |           | 4,836     | 214,473    | 536.17       | 998.61       | 1,534.78     |
| Ash Logs.....        |           | 23        | 1,258      | 3.14         |              | 3.14         |
| Basswood Logs.....   |           | 1,433     | 38,419     | 96.05        | 96.05        | 192.10       |
| Birch Logs.....      |           | 3,912     | 101,546    | 253.86       | 130.85       | 384.71       |
| Cedar Logs.....      |           | 236       | 4,570      | 7.00         | 14.01        | 21.01        |
| Elm Logs.....        |           | 32        | 1,106      | 2.76         | 3.32         | 6.08         |
| Hemlock Logs.....    |           | 13,965    | 578,391    | 867.59       | 381.96       | 1,249.55     |
| Hemlock Booms...     |           | 25        | 1,637      | 4.09         | 3.27         | 7.36         |
| Maple Logs.....      |           | 402       | 11,734     | 29.33        | 35.20        | 64.53        |
| Oak Logs.....        |           | 78        | 3,110      | 7.77         | 6.93         | 14.70        |
| Poplar Logs.....     |           | 20,288    | 299,788    | 599.60       | 642.73       | 1,242.33     |
| Spruce Logs.....     |           | 165,343   | 2,888,162  | 5,776.31     | 13,223.86    | 19,000.17    |
| Spruce Booms....     |           | 3,802     | 210,248    | 525.57       | 942.98       | 1,468.55     |
| Fuelwood (Hard)...   | 552.30    |           |            | 276.15       | 42.19        | 318.34       |
| Fuelwood (Soft)...   | 748.00    |           |            | 187.00       | 30.10        | 217.10       |
| Ties.....            |           | 19,824    |            | 1,982.40     | 900.90       | 2,883.30     |
| Poles Cu-Ft.....     |           | 31,520    | 354,755.83 | 13,582.41    |              | 13,582.41    |
| Poles.....           |           | 494       |            | 162.75       | 189.20       | 351.95       |
| Piling.....          |           | 7,802     |            | 486.45       |              | 486.45       |
| Posts.....           |           | 7,917     |            | 158.34       | 234.11       | 392.45       |
| Car Stakes.....      |           | 16,081    |            | 321.68       | 26.77        | 348.45       |
| Balsam Pulpwood..    |           | 851.49    |            | 596.05       | 81.65        | 677.70       |
| Jack Pine Pulpwood   | 55,800.47 |           |            | 22,320.20    | 726.79       | 23,046.99    |
| Poplar Pulpwood...   | 4,929.81  |           |            | 1,971.93     | 621.31       | 2,593.24     |
| Spruce Pulpwood...   | 18,692.22 |           |            | 26,169.11    | 1,552.37     | 27,721.48    |
| Jack Pine Pit Props. | 857.92    |           |            | 343.17       | 519.16       | 862.33       |
| Spruce Pit Props...  | 185.15    |           |            | 259.21       | 46.29        | 305.50       |
| Pulpwood Exported    |           |           |            |              |              |              |
| Balsam.....          | 99.71     |           |            |              | 64.81        | 64.81        |
| Jack Pine.....       | 110.50    |           |            |              | 27.62        | 27.62        |
| Spruce.....          | 1,203.97  |           |            |              | 782.59       | 782.59       |
| Pit Props Exported   |           |           |            |              |              |              |
| Jack Pine.....       | 857.92    |           |            |              | 214.47       | 214.47       |
| Spruce.....          | 185.15    |           |            |              | 120.36       | 120.36       |
|                      |           |           |            | \$144,164.88 | \$167,533.24 | \$311,698.12 |

## Cut Under Permit

|                         |                     |
|-------------------------|---------------------|
| Basswood Logs.....      | 458 Ft. B. M.       |
| Birch Logs.....         | 4,206 Ft. B. M.     |
| Cedar Logs.....         | 11,508 Ft. B. M.    |
| Hemlock Logs.....       | 95,460 Ft. B. M.    |
| Pine Logs.....          | 1,985,704 Ft. B. M. |
| Jack Pine Logs.....     | 315,899 Ft. B. M.   |
| Poplar Logs.....        | 105,161 Ft. B. M.   |
| Spruce Logs.....        | 270,218 Ft. B. M.   |
| Fuelwood (Hard)....     | 4,000 Cords         |
| Fuelwood (Soft)....     | 3,983 Cords         |
| Ties.....               | 7,304 Pieces        |
| Poles.....              | 3,372 Pieces        |
| Posts.....              | 3,312 Pieces        |
| Jack Pine Pulpwood...   | 887 Cords           |
| Jack Pine Pit Props.... | 1,440 Cords         |
| Poplar Pulp Wood....    | 1,695 Cords         |
| Spruce Pulpwood.....    | 1,595 Cords         |
| Car Stakes.....         | 850 Pieces          |

TABLE NO. 2L  
 TRENT DISTRICT  
 CLASSIFICATION OF ANNUAL TIMBER RETURN  
 FOR THE YEAR ENDING MARCH 31, 1946

| Species              | Cords    | Pieces    | Feet        | Dues        | Bonus       | Total |
|----------------------|----------|-----------|-------------|-------------|-------------|-------|
| Pine Logs.....       | 234,838  | 6,514,474 | \$16,286.10 | \$26,826.72 | \$43,112.82 |       |
| Pine Booms.....      | 728      | 63,894    | 159.73      | 72.06       | 231.79      |       |
| Ash Logs.....        | 1,330    | 40,553    | 101.38      | 64.81       | 166.19      |       |
| Balsam Logs.....     | 6,315    | 66,927    | 133.85      | 70.78       | 204.63      |       |
| Basswood Logs.....   | 18,608   | 668,270   | 1,670.67    | 991.51      | 2,662.18    |       |
| Beech Logs.....      | 6,885    | 281,235   | 730.08      | 186.92      | 917.00      |       |
| Birch Logs.....      | 31,557   | 2,058,864 | 5,147.19    | 2,534.12    | 7,681.23    |       |
| Cedar Logs.....      | 4,244    | 47,150    | 70.73       | 139.37      | 210.10      |       |
| Cherry Logs.....     | 119      | 6,360     | 15.90       | 11.31       | 27.21       |       |
| Elm Logs.....        | 2,535    | 184,301   | 460.70      | 486.73      | 947.43      |       |
| Hemlock Logs.....    | 154,269  | 4,972,930 | 7,459.45    | 1,714.90    | 9,174.35    |       |
| Hemlock Booms.....   | 159      | 11,422    | 28.54       | 8.08        | 36.62       |       |
| Maple Logs.....      | 39,100   | 2,223,529 | 5,558.81    | 2,933.00    | 8,491.81    |       |
| Oak Logs.....        | 546      | 18,850    | 47.13       | 54.31       | 101.44      |       |
| Poplar Logs.....     | 39,408   | 772,743   | 1,545.50    | 1,025.66    | 2,571.16    |       |
| Spruce Logs.....     | 85,713   | 1,694,485 | 3,388.98    | 3,915.20    | 7,304.18    |       |
| Spruce Booms.....    | 476      | 47,157    | 117.87      | 134.95      | 252.82      |       |
| Tamarac Logs.....    | 671      | 10,130    | 15.19       | 42.69       | 57.88       |       |
| Treces.....          | 20       |           | 5.00        |             | 5.00        |       |
| Ties.....            | 243      |           | 24.30       | 4.86        | 29.16       |       |
| Poles.....           | 584      |           | 181.75      | 150.25      | 332.00      |       |
| Posts.....           | 2,495    |           | 49.90       | 111.97      | 161.87      |       |
| Fuelwood (Hard)..... | 2,649.36 |           | 1,324.67    | 408.73      | 1,733.40    |       |
| Fuelwood (Soft)..... | 49.09    |           | 12.44       | 1.39        | 13.83       |       |
| Balsam Pulpwood..... | 381.82   |           | 267.26      | 88.81       | 356.07      |       |
| Poplar Pulpwood..... | 1,152.15 |           | 460.85      | 191.08      | 651.93      |       |
| Spruce Pulpwood..... | 493.67   |           | 691.13      |             | 691.13      |       |
| Pulpwood Exported    |          |           |             |             |             |       |
| Balsam.....          | 359.57   |           |             | 233.72      | 233.72      |       |
| Spruce.....          | 386.31   |           |             | 251.10      | 251.10      |       |
|                      |          |           | \$45,955.11 | \$42,655.03 | \$88,610.04 |       |

## Cut Under Permit

|                      |                     |
|----------------------|---------------------|
| Birch Logs.....      | 140,055 Ft. B. M.   |
| Hemlock Logs.....    | 612,752 Ft. B. M.   |
| Maple Logs.....      | 437,187 Ft. B. M.   |
| Pine Logs.....       | 1,137,259 Ft. B. M. |
| Spruce Logs.....     | 595,744 Ft. B. M.   |
| Ties.....            | 294 Pieces          |
| Poplar Pulpwood..... | 2,032.36 Cords      |
| Spruce Pulpwood..... | 242.00 Cords        |

TABLE No. 3  
 FINAL STATEMENT OF PULPWOOD EXPORTED FROM ONTARIO  
 January 1 to December 31, 1946

| District              | Crown Lands<br>(Cords) | Private Lands<br>(Cords) | Total<br>(Cords) | Value<br>\$     |
|-----------------------|------------------------|--------------------------|------------------|-----------------|
| Chapleau.....         | Nil                    | Nil                      | .....            | .....           |
| Cochrane.....         | 32,736.00              | 23,164.00                | 55,900.00        | 556,359.50      |
| Fort Frances.....     | 5,201.82               | 5,234.97                 | 10,436.79        | 103,404.58      |
| Geraldton.....        | 5,738.00               | .....                    | 5,738.00         | 103,284.00      |
| Gogama.....           | 37.41                  | .....                    | 37.41            | 439.57          |
| Kapuskasing.....      | 220,897.80             | 56,989.87                | 277,887.67       | 3,288,071.58    |
| Kenora.....           | .....                  | 114.00                   | 114.00           | 1,368.00        |
| North Bay.....        | 2,620.99               | 7,403.50                 | 10,024.49        | 98,441.90       |
| Parry Sound.....      | .....                  | 105.00                   | 105.00           | 1,049.50        |
| Pembroke.....         | 500.00                 | 11,068.00                | 11,568.00        | 117,854.00      |
| Port Arthur.....      | 281,918.49             | 43,805.00                | 325,723.49       | 6,603,971.12    |
| Sault Ste. Marie..... | 10,443.66              | 1,450.34                 | 11,894.00        | 143,121.76      |
| Sioux Lookout.....    | 13,993.00              | 2,359.50                 | 16,352.50        | 271,077.61      |
| Sudbury.....          | 3,788.45               | 17,388.00                | 21,176.45        | 144,696.27      |
| Tweed.....            | 1,532.00               | 8,988.00                 | 10,520.00        | 13,680.00       |
| Total.....            | 579,407.62             | 178,070.18               | 757,477.80       | \$11,446,819.39 |

TABLE NO. 4  
FINAL STATEMENT OF PULPWOOD EXPORTED FROM ONTARIO  
January 1 to December 31 1916

TABLE NO. 3

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality   | Area sq. miles | No. of Tenders | To Whom Sold  | Prices Paid          |        |        | Total                   |
|-------------------|----------------|--|----------------|----------------|---|----------------------|--------|--------|-------------------------|
|                   |                |  |                |                |   | Kind of Timber       |        |        |                         |
| Apr. 10           | Apr. 24        | Bishop, Freswick Devine, Biggar McLaughlin etc.                  | 220            | 1              | John Odenback, Lincoln Alliance Bldg. Rochester, N.Y. | Red and W. Pine Logs | \$5.00 | \$6.50 | \$2.50                  |
|                   |                |  |                |                |   | Jackpine Logs        | 4.00   | 4.50   | 1.50                    |
|                   |                |  |                |                |   | Spruce Logs          | 4.00   | 4.00   | 2.00                    |
|                   |                |  |                |                |   | Hemlock Logs         | 2.00   | 2.50   | 1.50                    |
|                   |                |  |                |                |   | Hardwoods            | 8.00   | 3.50   | 2.50                    |
|                   |                |  |                |                |   | Spruce Pulpwood      | 1.00   | .35    | 1.40                    |
|                   |                |  |                |                |   | Balsam Pulpwood      | .....  | .30    | .70                     |
| Apr. 18           | May 9          | Fox Twp.   | 1 1/2          | 1              | Thos. B. Skidmore, Brower P.O., Ont.                  | Spruce Pulpwood      | .05    | .10    | 1.40                    |
|                   |                |  |                |                |   | Balsam Pulpwood      | .....  |        | 1.55 Per Cd. on Spruce. |
| May 4             | May 21         | Monmouth Twp.  | 1              | 1              | Scott Lumber Co., Peterborough, Ont.                  | Pine Logs            | 5.00   | 7.50   | 2.50                    |
|                   |                |  |                |                |   | Spruce Logs          | 5.00   | 5.00   | 2.00                    |
|                   |                |  |                |                |   | Hemlock Logs         | 3.00   | 3.50   | 1.50                    |
|                   |                |  |                |                |   | Cedar Logs           | 4.00   | 4.50   | 1.50                    |
|                   |                |  |                |                |   | Maple and Birch      | 4.00   | 4.50   | 2.50                    |
|                   |                |  |                |                |   | Basswood             | 5.00   | 4.50   | 2.50                    |
|                   |                |  |                |                |   | Poplar               | 3.00   | 3.50   | 1.50                    |
| May 16            | May 31         | Twps. 2F. and 196  | 12             | 3              | J. J. McFadden Lumber Co. Ltd., - Blind River, Ont.   | Red and White Pine   | 3.27   | 7.50   | 2.50                    |
|                   |                |  |                |                |   | Spruce Logs          | 3.27   | 6.00   | 2.00                    |
| June 17           | July 2         | Pacaud Twp.  | 1/2            | 7              | Donald Burnard, Krugerdorf, Ont.                      | Spruce Logs          | 2.50   | 6.00   | 2.00                    |
|                   |                |  |                |                |   | Jackpine             | 3.00   | 6.00   | 1.50                    |
|                   |                |  |                |                |   | Spruce Pulpwood      | .10    | .25    | .40                     |
|                   |                |  |                |                |   | Poplar Pulpwood      | .20    | .25    | .40                     |
| June 28           | July 15        | Area E. of Timber Berth R-5-40 between Lake Despair & Dance Twp. | 2              | 2              | E. H. Armstrong, Finland, Ont.                        | Fuelwood             | .70    | .10    | .25                     |
| July 2            | July 18        | Eby Twp. Parcel 1  | 1/2            | 2              | Harry Block, Swastika, Ont.                           | Spruce Pulpwood      | .35    | .40    | 1.40                    |
|                   |                |  |                |                |   | Balsam Pulpwood      | .....  | 1.45   | .70                     |

TABLE NO. 5  
Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality                      | Area sq. miles | No. of Tenders | To Whom Sold  | Prices Paid  |  |   | Total   |  |
|-------------------|----------------|-------------------------------|----------------|----------------|---|--|--|---|---|--|
|                   |                |                               |                |                |   | Kind of Timber   |  | Bid   |   |  |
| July 2            | July 18        | Eby and Burt Twp.<br>Parcel 2 | 1½             | 1              | Harry Block,<br>Swastika, Ont.                                    | Jackpine Logs<br>Jackpine Pitprops<br>Poplar Pulpwood<br>Spruce Pulpwood   | \$1.50<br>.50<br>.25<br>.25                                      | \$7.00<br>1.10<br>.25<br>.40  | \$1.50<br>.40<br>.40<br>1.40  | \$10.00 Per MBM<br>2.00 Per Cd.<br>.90 Per Cd.<br>2.05 Per Cd.   |
| July 3            | July 18        | McCann Twp.                   | 1              | 3              | Hembruff Timber Co.<br>Matheson, Ont.                             | Spruce Logs<br>Jackpine Logs<br>Jackpine Pulpwood<br>Spruce Pulpwood   | 3.50<br>3.50<br>.25<br>.20                                       | 6.50<br>7.00<br>.35<br>.40  | 2.00<br>1.50<br>.40<br>1.40   | 12.00 Per MBM<br>12.00 Per MBM<br>1.00 Per Cd.<br>2.00 Per Cd.   |
| July 3            | July 22        | McLure and<br>Wicklow Twp.    | 1½             | 1              | Mac, Fitzgerald,<br>Maynooth, Ont.                                | Maple, Birch and<br>Basswood Logs<br>Spruce & Balsam Logs<br>Hemlock Logs<br>Poplar Logs<br>Fuelwood (Hard)  | .05<br>.05<br>.05<br>.05<br>.....                                | 4.50<br>5.00<br>3.50<br>3.00<br>.50                                 | 2.50<br>2.00<br>1.50<br>2.00<br>.50                                 | 7.05 Per MBM<br>7.05 Per MBM<br>5.05 Per MBM<br>5.05 Per MBM<br>.50 Per Cd.  |
| July 4            | July 22        | Barker Twp.                   | 1½             | 4              | Jos. Perreault,<br>Reesor, Ont.                                   | Spruce Pulpwood<br>Balsam Pulpwood   | .76<br>.76   | .35<br>1.05   | 1.40<br>.70   | 2.51 Per Cd.<br>2.51 Per Cd.   |
| July 4            | July 22        | Pennefather Twp.              | ¾              | 2              | Elliott Lumber Co.,<br>281 Conmee Ave.,<br>Sault Ste. Marie, Ont. | Birch Logs<br>Maple Logs<br>Oak Logs<br>Poplar Logs<br>Hemlock Logs<br>Spruce Logs<br>Balsam Logs<br>White Pine Logs<br>Cedar Poles<br>Cedar Posts | 1.00<br>.50<br>2.00<br>.50<br>1.00<br>1.00<br>.50<br>2.00<br>.01 | 5.50<br>3.50<br>5.50<br>3.00<br>3.00<br>6.00<br>6.00<br>7.50<br>.02 | 2.50<br>2.50<br>2.50<br>2.00<br>1.50<br>2.00<br>2.00<br>2.50<br>.02 | 9.00 Per MBM<br>6.50 Per MBM<br>10.00 Per MBM<br>5.50 Per MBM<br>5.50 Per MBM<br>9.00 Per MBM<br>8.50 Per MBM<br>12.00 Per MBM<br>.05 Each |
| July 6            | July 22        | Chamberlain Twp.              | ¼              | 3              | Albert Hayes,<br>Englehart, Ont.                                  | Jackpine Logs<br>Spruce Pulpwood<br>Poplar Pulpwood  | .50<br>.20<br>.45  | 6.00<br>2.25<br>2.25  | 1.50<br>1.40<br>.40   | 8.00 Per MBM<br>1.85 Per Cd.<br>1.10 Per Cd.   |

TABLE No. 5

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality  | Area sq. miles | No. of Ten-ders | To Whom Sold  | Kind of Timber   | Prices Paid  |   |   | Total   |
|-------------------|----------------|---|----------------|-----------------|---|--|--|---|---|---|
|                   |                |   |                |                 |   |  | Bid  | Upset   | Dues  |   |
| July 8            | July 25        | Wallbridge Twp.   | 2              | 2               | W. V. Seigner Lumber Co. Ltd., 49 King St. E., Kitchener, Ont.        | Pine Logs<br>Fire Damaged<br>Jackpine  | \$2.00   | \$5.00  | \$2.50  | \$ 9.50 Per MBM<br>MBM inc. of dues.  |
| July 10           | July 29        | Conger Twp.   | 8½             | 2               | Whitehorn & Skinner Lumber Co.,<br>216 Heath St. W.,<br>Toronto, Ont. | Pine Logs<br>Hemlock Logs<br>Hardwood Logs<br>Spruce Logs<br>Tamarac Logs  | 3.60<br>1.00<br>3.25<br>1.00<br>1.00                 | 2.50<br>1.50<br>2.50<br>2.00<br>1.50                      | 2.50<br>1.50<br>2.50<br>2.00<br>1.50                      | 8.60 Per MBM<br>4.00 Per MBM<br>8.25 Per MBM<br>5.00 Per MBM<br>4.00 Per MBM  |
| July 15           | Aug. 1         | Island E54 and Part 500A, Georgian Bay, opposite Shawanaga Twp. | 2¼             | 3               | The McGibbon Lumber Co. Ltd.,<br>Penetanguishene,<br>Ont.             | Pine Logs  | 10.15  | 5.50  | 2.50  | 18.15 Per MBM   |
| July 13           | July 30        | Sheraton Twp.   | 2¼             | 3               | E. Mainville,<br>66 Main Ave.,<br>Timmins, Ont.                       | Jackpine Logs<br>Poplar Logs<br>Jackpine Pulp<br>Poplar Pulp<br>Balsam Pulp<br>Spruce Pulp<br>Jackpine Fuelwood<br>Jackpine Pitprops | .50<br>.25<br>.25<br>.10<br>.15<br>.15<br>.25<br>.75 | 8.50<br>2.50<br>3.55<br>.40<br>.90<br>.20<br>.50<br>..... | 1.50<br>2.00<br>4.40<br>.75<br>.70<br>1.40<br>.25<br>1.00 | 10.50 Per MBM<br>4.75 Per MBM<br>1.00 Per Cd.<br>.75 Per Cd.<br>.75 Per Cd.<br>1.75 Per Cd.<br>1.00 Per Cd.<br>1.75 Per Cd. |
| July 15           | Aug. 2         | Blyth Twp.  | 1¾             | 3               | C. D. Milani, Box. 292 North Bay, Ont.                                | Hardwood Logs  | 2.50   | 6.00  | 2.50  | 11.00 Per MBM   |
| July 18           | Aug. 26        | Smyth Twp.  | 6              | 1               | Ed. Smith & Co.,<br>153 Lawrence Ave. E.<br>Toronto, Ont.             | Jackpine Logs<br>Spruce Logs<br>Spruce Pulp  | .....<br>6.00<br>.05                                 | 1.50<br>2.00<br>1.40                                      | 1.50<br>7.50 Per MBM<br>1.70 Per Cd.                      |   |

TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality                             | Area sq. miles | No. of Tenders | To Whom Sold                                    | Prices Paid   |   |   | Total  |   |   |
|-------------------|----------------|--------------------------------------|----------------|----------------|---|---|---|---|--|---|---|
|                   |                |                                      |                |                |   | Kind of Timber  | Bid   | Upset   |  |   |   |
| July 22           | Aug. 7         | Bastedo Twp.                         | 3 1/4          | 2              | John N. French, Markstay, Ont.                  | Yellow Birch Logs<br>Maple Logs<br>Other Hardwoods<br>Birch Tops  | \$6.50<br>8.50<br>.....<br>.....  | \$6.00<br>6.00<br>12.50<br>.10  | \$2.50<br>2.50<br>2.50<br>.50  | \$15.00 Per MBM<br>17.00 Per MBM<br>15.00 Per MBM<br>.60 Per Cd.              |   |
| July 29           | Aug. 15        | Sheraton Twp.                        | 1 1/2          | 2              | Bouchard Timber, 125 Wilson Ave., Timmins, Ont. | Jackpine Logs<br>Fuelwood-Jackpine<br>Jackpine Pitwood  | 1.00<br>.25<br>.50  | 10.50<br>1.00<br>.85  | 1.50<br>.25<br>.40   | 13.00 Per MBM<br>1.50 Per Cd.<br>1.75 Per Cd.                                 |   |
| Aug. 2            | Aug. 20        | Grenfell Twp.                        | 7 1/2          | 3              | E. V. Woollings, Englehart, Ont.                | Jackpine Logs<br>Poplar Pulpwood  | 3.00<br>.25   | 7.50<br>.25   | 1.50<br>.40  | 12.00 Per MBM<br>.90 Per Cd.  |   |
| Aug. 14           | Sept. 3        | Hartle and Burnaby Twp. (Parcel 1)   | 9              | 6              | Joseph Sevigny Jr., Gateway, Ont.               | Red and W. Pine Logs<br>Spruce Logs<br>Spruce Pulpwood<br>Poplar Pulpwood<br>Cedar Posts 8'<br>Cedar Poles<br>Up to 10 Cu. Ft.<br>Over 10 to 20 Cu. Ft.<br>Over 20 to 30 Cu. Ft.<br>Over 30 to 40 Cu. Ft.<br>Over 40 to 50 Cu. Ft.<br>Over 50 Cu. Ft. | 5.75<br>1.00<br>.35<br>.15<br>.03<br>.....<br>.....<br>.....<br>.....<br>.....<br>..... | 7.00<br>5.50<br>.25<br>.45<br>.03<br>.....<br>.....<br>.....<br>.....<br>.....<br>..... | 2.50<br>2.00<br>1.40<br>.40<br>.02<br>.....<br>.....<br>.....<br>.....<br>.....<br>..... | .03<br>.04<br>.05<br>.06<br>.07<br>.08  | 15.25 Per MBM<br>8.50 Per MBM<br>2.00 Per Cd.<br>1.00 Per Cd.<br>.08 Each<br>.03 Per Cu. Ft.<br>.04 Per Cu. Ft.<br>.05 Per Cu. Ft.<br>.06 Per Cu. Ft.<br>.07 Per Cu. Ft.<br>.08 Per Cu. Ft. |
| Aug. 14           | Sept. 3        | Burnaby and Packman Twp. (Parcel 12) | 25             | 3              | Lafreniere Pine Lumber Co., Mattawa, Ont.       | Red and White Pine Spruce Logs<br>Jackpine Logs   | 3.10<br>2.50<br>2.50  | 6.50<br>5.50<br>6.00  | 2.50<br>2.00<br>1.50   | 12.10 Per MBM<br>10.00 Per MBM<br>10.00 Per MBM                               |   |
| Aug. 15           | Oct. 10        | Twp. 136                             | 2              | 1              | Mr. Henry Sims, Spanish, Ont.                   | Red and W. Pine Logs<br>Spruce Logs<br>Poplar Logs<br>Hemlock Logs<br>Hardwood Logs   | 1.17<br>.53<br>1.07<br>.14<br>.50   | 7.50<br>6.00<br>2.50<br>3.50<br>3.50  | 2.50<br>2.00<br>2.00<br>1.50<br>2.50   | 11.17 Per MBM<br>8.53 Per MBM<br>5.57 Per MBM<br>5.14 Per MBM<br>6.50 Per MBM |   |

TABLE NO. 5

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality        | Area sq. miles | No. of Tenders | To Whom Sold                                 | Prices Paid  |  |  | Total   |  |
|-------------------|----------------|-----------------|----------------|----------------|--|--|--|--|---|--|
|                   |                |                 |                |                |  | Kind of Timber   | Bid  | Upset  |   |  |
| Aug. 26           | Sept. 16       | Black Twp.      | 3/4            | 1              | R. Guertin, Ramore, Ont.                     | Jackpine Logs<br>Spruce Logs<br>Poplar Logs<br>Spruce Pulpwood<br>Poplar Pulpwood<br>Birch Fuelwood                                      | \$1.00<br>...<br>.50<br>.20<br>...<br>...                  | \$7.00<br>6.50<br>2.50<br>.40<br>.25<br>.15              | \$1.50<br>2.00<br>2.00<br>1.40<br>.40<br>.50              | \$ 9.50 Per MBM<br>8.50 Per MBM<br>5.00 Per MBM<br>2.00 Per Cd.<br>.65 Per Cd.<br>.65 Per Cd.                                      |
| Sept. 13          | Oct. 23        | Fournier Twp.   | 4 3/4          | 2              | M. Owens, 117 Seventh Ave., Cochrane, Ont.   | Spruce Logs<br>Poplar Logs<br>Spruce Pulpwood<br>Poplar Pulpwood<br>Birch Fuelwood<br>Soft Fuelwood<br>Balsam Pulpwood                   | 2.50<br>2.50<br>.25<br>.35<br>.15<br>.25<br>.20            | 6.00<br>2.00<br>.40<br>.25<br>.15<br>.15<br>1.10         | 2.00<br>2.00<br>1.40<br>.40<br>.50<br>.25<br>.70          | 10.50 Per MBM<br>7.00 Per MBM<br>2.05 Per Cd.<br>1.00 Per Cd.<br>.80 Per Cd.<br>.65 Per Cd.<br>2.00 Per Cd.                        |
| Sept. 16          | Oct. 4         | Morrisette Twp. | 20             | 2              | Ontario Paper Co. Ltd., Montreal, Que.       | Spruce Logs<br>Poplar Logs<br>Jackpine Logs<br>Spruce Pulpwood<br>Poplar Pulpwood<br>Jackpine Pulpwood                                   | 1.00<br>...<br>1.00<br>.30<br>...<br>...                   | 7.00<br>2.50<br>7.50<br>.35<br>.25<br>.35                | 2.00<br>2.00<br>1.50<br>1.40<br>.40<br>.40                | 10.00 Per MBM<br>4.50 Per MBM<br>10.00 Per MBM<br>2.05 Per Cd.<br>.65 Per Cd.<br>.75 Per Cd.                                       |
| Sept. 19          | Oct. 7         | Hanlan Twp.     | 1/2            | 1              | L. Boisvert, La Sarre, Abitibi, Que.         | Spruce Logs<br>Poplar<br>Spruce Pulp<br>Balsam Pulp  | .10<br>.05<br>.05<br>.05                                   | 5.50<br>1.25<br>.35<br>1.05                              | 2.00<br>2.00<br>1.40<br>.70                               | 7.60 Per MBM<br>3.30 Per MBM<br>1.80 Per Cord<br>1.80 Per Cord   |
| Sept. 19          | Oct. 7         | Freleigh Twp.   | 6 3/4          | 2              | Wellington Couch & Sons, South Gillies, Ont. | Jackpine Logs<br>Spruce Logs<br>Poplar Logs<br>Balsam Logs<br>Spruce Pulpwood<br>Balsam Pulpwood<br>Poplar Pulpwood<br>Jackpine Pulpwood | 3.50<br>3.50<br>2.00<br>2.00<br>1.25<br>.75<br>.30<br>1.20 | 7.00<br>6.50<br>3.00<br>3.00<br>.85<br>.55<br>.30<br>.40 | 1.50<br>2.00<br>2.00<br>2.00<br>1.40<br>.70<br>.40<br>.40 | 12.00 Per MBM<br>12.00 Per MBM<br>7.00 Per MBM<br>7.00 Per MBM<br>3.50 Per Cord<br>2.00 Per Cord<br>1.00 Per Cord<br>2.00 Per Cord |

TABLE NO. 5

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered<br>1946 | Date Sold<br>1946 | Locality                     | Area sq.<br>miles | No. of Ten-<br>ders | To Whom Sold   | Prices Paid   |   |   |   | Total  |
|----------------------|-------------------|------------------------------|-------------------|---------------------|--|---|---|---|---|--|
|                      |                   |                              |                   |                     |  | Kind of Timber  | Bid   | Upset   | Dues  |  |
| Sept. 20             | Oct. 9            | Kennedy Twp.                 | ½                 | 2                   | T. B. Skidmore,<br>Brower Post Office,<br>Ont.       | Spruce Pulpwood<br>Poplar Pulpwood  | \$ .25<br>.....                                   | \$ .35<br>.25                                     | \$1.40<br>.40                                     | \$ 2.00 Per MBM<br>.65 Per Cord  |
| Oct. 15              | Nov. 1            | Little Twp.                  | 1 ¾               | 1                   | Antoine Morin,<br>Connaught Station,<br>Ont.         | Spruce Logs<br>Spruce Pulpwood<br>Poplar Logs<br>Balsam Pulpwood  | .50<br>.25<br>.....<br>.90                        | 7.00<br>.20<br>2.50<br>.70                        | 2.00<br>1.40<br>2.00<br>.70                       | 9.50 Per MBM<br>1.85 Per Cord<br>4.50 Per MBM<br>1.60 Per Cord   |
| Oct. 16              | Nov. 6            | McCart Twp.                  | ¾                 | 2                   | Charles Pedskalney,<br>Porquis Junction,<br>Ont.     | Spruce Logs<br>Spruce Pulpwood<br>Balsam Pulpwood   | .....<br>.10<br>.10                               | .....<br>.10<br>.10                               | 6.50<br>.40<br>1.10                               | 2.00<br>1.40<br>.70  |
| Oct. 16              | Nov. 7            | Murphy Twp.                  | ½                 | 2                   | Rene Ginho, Box 549,<br>Timmins, Ont.                | Spruce Pulpwood<br>Balsam Pulpwood  | .35<br>.....                                      | .45<br>1.15                                       | .40<br>.70  | 8.50 Per MBM<br>1.90 Per Cord<br>1.90 Per Cord   |
| Oct. 19              | Nov. 12           | Drayton Twp.                 | ½                 | 3                   | John Binas & Co.,<br>per O. Andrews,<br>Hudson, Ont. | Spruce Pulpwood<br>Balsam Pulpwood  | .45<br>.70  | .60<br>.....                                      | .40<br>.70  | 2.20 Per Cord<br>2.20 Per Cord   |
| Oct. 22              | Nov. 12           | McVittie and<br>McGarry Twp. | 2                 | 2                   | Proprietary Mines<br>Limited, Larder Lake, Ont.      | Jackpine Logs<br>Birch Logs<br>Spruce Logs<br>Poplar Logs<br>Poplar Pulpwood<br>White Birch (Fuel)<br>Soft Fuelwood | 4.75<br>2.00<br>5.00<br>4.50<br>.20<br>.10<br>.10 | 7.50<br>3.50<br>7.00<br>2.50<br>.25<br>.15<br>.15 | 1.50<br>2.50<br>2.00<br>2.00<br>.40<br>.50<br>.25 | 13.75 Per MBM<br>8.00 Per MBM<br>14.00 Per MBM<br>9.00 Per MBM<br>.85 Per Cord<br>.75 Per Cord<br>.50 Per Cord |
| Oct. 25              | Nov. 13           | Herschel Twp.                | 1 ¼               | 1                   | Frank Peever,<br>Maynooth, Ont.                      | Pine Logs<br>Hardwood Logs<br>Poplar Logs<br>Spruce Logs<br>Cedar Logs<br>Poplar Pulpwood                           | 1.00<br>1.00<br>.....<br>.50<br>.....<br>.35      | 7.50<br>4.50<br>3.00<br>5.00<br>4.50<br>.40       | 2.50<br>2.50<br>2.00<br>2.00<br>1.50<br>.40       | 11.00 Per MBM<br>8.00 Per MBM<br>5.00 Per MBM<br>7.50 Per MBM<br>6.00 Per MBM<br>.75 Per Cord                  |

TABLE NO. 5

Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality              | Area sq. miles | No. of Tenders | To Whom Sold   | Prices Paid                |        |           |        | Total                  |
|-------------------|----------------|-----------------------|----------------|----------------|--|----------------------------|--------|-----------|--------|------------------------|
|                   |                |                       |                |                |  | Kind of Timber             |        | Bid       | Upset  |                        |
| Oct. 26           | Nov. 21        | Lutterworth Twp.      | 1/4            | 1              | S. J. Bryant, Norland, Ont.                          | White Pine Logs            | \$2.00 | \$7.50    | \$2.50 | \$12.00 Per MBM        |
|                   |                |                       |                |                |  | Spruce & Balsam Logs       | 3.00   | 5.00      | 2.00   | 10.00 Per MBM          |
|                   |                |                       |                |                |  | Cedar Logs                 | 2.00   | 4.50      | 1.50   | 8.00 Per MBM           |
|                   |                |                       |                |                |  | Birch Logs                 | 3.00   | 4.50      | 2.50   | 10.00 Per MBM          |
|                   |                |                       |                |                |  | Basswood Logs              | 3.00   | 4.50      | 2.50   | 10.00 Per MBM          |
|                   |                |                       |                |                |  | Poplar Logs                | 3.00   | 3.50      | 1.50   | 8.00 Per MBM           |
| Oct. 31           | Nov. 18        | Nansen Twp.           | 3 1/2          | 1              | Messrs. D'Amours Bros., Moonbeam, Ont.               | Spruce and Balsam Pulpwood | .02    | 1.8 cents | .....  | 1.82 cents Per Cu. Ft. |
|                   |                |                       |                |                |  | Spruce Logs                | .....  | 5.50      | 2.00   | 7.50 Per MBM           |
|                   |                |                       |                |                |  | Spruce Pulpwood            | .90    | .20       | 1.40   | 2.50 Per Cord          |
| Nov. 1            | Nov. 18        | Blount Twp.           | 1 1/4          | 2              | A. E. Wicks, Cochrane, Ont.                          | Jackpine Logs              | .....  | 6.00      | 1.50   | 7.50 Per MBM           |
|                   |                |                       |                |                |  | Spruce Logs                | .....  | 5.50      | 2.00   | 7.50 Per MBM           |
|                   |                |                       |                |                |  | Spruce Pulpwood            | .....  | .25       | 1.40   | 1.65 Per Cord          |
| Nov. 4            | Nov. 19        | Smyth & Davidson Twp. | 18             | 1              | J. W. Craig, Elk Lake, Ont.                          | Green Spruce Pulp.         | .75    | .60       | 1.40   | 2.75 Per Cord          |
|                   |                |                       |                |                |  | Burnt Spruce Pulp.         | .75    | .30       | 1.40   | 2.50 Per Cord          |
| Nov. 5            | Nov. 21        | Forgie Twp.           | 2              | 1              | Carl Jacobson, Box 1021, Kenora, Ont.                | Hemlock Logs               | .25    | 2.50      | 1.50   | 4.25 Per MBM           |
|                   |                |                       |                |                |  | Birch Logs                 | .40    | 5.50      | 2.50   | 8.40 Per MBM           |
|                   |                |                       |                |                |  | Maple Logs                 | .25    | 3.50      | 2.50   | 6.25 Per MBM           |
|                   |                |                       |                |                |  | Cedar Poles                | .10    | .25       | .25    | .60 Each               |
|                   |                |                       |                |                |  | Cedar Posts                | .02    | .02       | .02    | .06 Each               |
| Nov. 2            | Nov. 25        | Aberdeen Twp.         | 1              | 1              | Jack P. Stobie, Port Lock, Ont.                      | Birch Logs                 | 2.50   | 4.50      | 2.50   | 9.50 Per MBM           |
|                   |                |                       |                |                |  | Maple and Other Hardwoods  | 2.25   | 3.50      | 2.50   | 8.25 Per MBM           |
|                   |                |                       |                |                |  | Hemlock                    | 1.00   | 2.50      | 1.50   | 5.00 Per MBM           |
|                   |                |                       |                |                |  | Spruce & Balsam Logs       | 1.00   | 5.00      | 2.00   | 8.00 Per MBM           |
|                   |                |                       |                |                |  | Pine Logs                  | 2.00   | 7.50      | 2.50   | 12.00 Per MBM          |
|                   |                |                       |                |                |  | Cedar Poles 21' to 30'     | .....  | .25       | .25    | .50 Each               |
|                   |                |                       |                |                |  | Cedar Poles 31' to 40'     | .....  | .25       | .50    | .75 Each               |
|                   |                |                       |                |                |  | Cedar Poles 41' to 50'     | .....  | .25       | .75    | 1.00 Each              |
| Nov. 6            | Nov. 25        | Bridgland Twp.        | 3/4            | 2              | Pennington Lumber Co. (Canada) Ltd., Thessalon, Ont. |                            |        |           |        |                        |

TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality         | Area sq. miles | No. of Tenders | To Whom Sold                                 | Kind of Timber   | Prices Paid   |   |   | Total   |
|-------------------|----------------|------------------|----------------|----------------|--|--|---|---|---|---|
|                   |                |                  |                |                |  |  | Bid   | Upset   | Dues  |   |
| Nov. 6            | Nov. 28        | Hendrie Twp.     | 1 1/4          | 1              | David Lankinen<br>Wahnpitae P.O.,<br>Ont.    | Birch Logs<br>Spruce Logs<br>Cedar Posts<br>Fuelwood (Hard)<br>Cedar Poles<br>Up to 10 Cu. Ft.<br>Over 10 to 20 Cu. Ft.<br>Over 20 to 30 Cu. Ft.<br>Over 30 to 40 Cu. Ft.<br>Over 40 to 50 Cu. Ft. | \$ .20<br>.50<br>.00 1/2<br>.05<br>.00 1/2<br>.00 1/2<br>.00 1/2<br>.00 1/2<br>.00 1/2<br>.00 1/2 | \$2.50<br>6.00<br>.03<br>.10<br>.03<br>.04<br>.05<br>.06<br>.07 | \$2.50<br>2.00<br>.02<br>.50<br>.....<br>.....<br>.....<br>.....<br>..... | \$ 6.20 Per MBM<br>8.50 Per MBM<br>.05 1/2 Each<br>.65 Per Cord           |
| Nov. 13           | Dec. 2         | Matawatchan Twp. | 1/2            | 7              | Wm. Thompson,<br>Camel Chute, Ont.           | Red & White Pine<br>Spruce<br>Poplar<br>Hardwoods  | 10.00<br>9.00<br>9.00<br>12.00  | 10.00<br>6.00<br>3.00<br>4.50                                   | 2.50<br>2.00<br>2.00<br>2.50  | 22.50 Per MBM<br>17.00 Per MBM<br>14.00 Per MBM<br>19.00 Per MBM          |
| Nov. 14           | Dec. 4         | McGarry Twp.     | 4              | 1              | Thomas Breen,<br>Kearns, Ont.                | Poplar Logs<br>Spruce Logs<br>Jackpine Logs<br>Spruce Pulpwood<br>Poplar Pulpwood<br>Birch Fuelwood<br>Jack Pine Pit Props<br>Jackpine Pulpwood  | .50<br>1.00<br>1.00<br>.20<br>.10<br>.10<br>.....<br>.....  | 2.50<br>7.00<br>7.50<br>1.50<br>.25<br>.15<br>.60<br>.35        | 2.00<br>2.00<br>1.50<br>1.40<br>.40<br>.40<br>.40<br>.40                  | 5.00 Per MBM<br>10.00 Per MBM<br>10.00 Per MBM<br>2.00 Per Cord           |
| Nov. 19           | Dec. 18        | Shields Twp.     | 2              | 1              | A. J. Autio,<br>Wabos, Ont.                  | Birch Logs<br>Maple Logs<br>White Pine<br>Cedar Poles<br>Cedar Shingle Bolts   | .25<br>.....<br>.50<br>.....<br>.....   | 5.50<br>3.50<br>7.50<br>.25<br>.25                              | 2.50<br>2.50<br>2.50<br>.40   | 8.25 Per MBM<br>6.00 Per MBM<br>10.50 Per MBM<br>.50 Each<br>.65 Per Cord |
| Nov. 19           | Dec. 18        | German Twp.      | 1 3/4          | 2              | J. W. Quirion,<br>Connaught Station,<br>Ont. | Spruce Pulpwood<br>Balsam Pulpwood   | .40<br>.40  | .30<br>1.00   | 1.40<br>.70   | 2.10 Per Cord<br>2.10 Per Cord  |

TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1947

| Date Offered<br>1946 | Date Sold<br>1946 | Locality  | No. of Tenders | Area sq. miles | To Whom Sold  | Prices Paid  |  |  | Total  |  |
|----------------------|-------------------|---|----------------|----------------|---|--|--|--|--|--|
|                      |                   |   |                |                |   | Kind of Timber   | Bid  | Upset  |  |  |
| Nov. 19              | Dec. 19           | Dominion and St. Patrick Group of Islands, Upper Abitibi Lake | 2              | 2              | Philias Trudel, Georges Dostaler and Joseph Gervais, P. O. Clerval, Abitibi P. Quebec | White & Red Pine<br>Spruce Logs<br>Poplar Logs<br>White Birch Logs<br>Spruce Pulpwood<br>Poplar Pulpwood<br>Cedar Posts  | \$4.00<br>2.00<br>1.50<br>1.00<br>.25<br>.18                 | \$7.50<br>7.00<br>4.50<br>3.50<br>.35<br>.25                 | \$2.50<br>2.00<br>8.00 Per MBM<br>2.50<br>1.40<br>.05        | \$14.00 Per MBM<br>11.00 Per MBM<br>8.00 Per MBM<br>7.00 Per MBM<br>2.00 Per Cord<br>.65 Per Cord<br>.25 Each                  |
| Nov. 19              | Dec. 18           | McKinnon Twp.   | 2 3/4          | 2              | Samuel D. Short and Arthur D. Baule, Massey, Ont.                                     | Red and White Pine<br>13" and over<br>Hemlock<br>Hardwoods<br>Cedar Poles<br>Up to 10 Cu. Ft.<br>Over 10 to 20 Cu. Ft.<br>Over 20 to 30 Cu. Ft.<br>Over 30 to 40 Cu. Ft.<br>Over 40 to 50 Cu. Ft.<br>Over 50 Cu. Ft. | 3.00<br>1.00<br>2.00   | 7.50<br>3.50<br>3.50   | 2.50<br>1.50<br>2.50   | 13.00 Per MBM<br>6.00 Per MBM<br>8.00 Per MBM  |
| Nov. 22              | Dec. 23           | Raglan Twp.   | 3 1/4          | 1              | John T. Drohan, Barry's Bay, Ont.   | Spruce and Balsam Logs<br>Hemlock Logs<br>Birch Logs<br>Maple Logs<br>Basswood Logs<br>Oak and Elm Logs<br>Poplar Logs<br>Tamarac Logs   | 3.00<br>3.75<br>2.25<br>2.25<br>3.00<br>2.25<br>2.00<br>2.00 | 5.00<br>3.50<br>4.50<br>4.50<br>4.50<br>4.50<br>3.00<br>4.50 | 2.00<br>1.50<br>2.50<br>2.50<br>2.50<br>2.50<br>2.00<br>1.50 | 10.00 Per MBM<br>8.75 Per MBM<br>9.25 Per MBM<br>9.25 Per MBM<br>10.00 Per MBM<br>9.25 Per MBM<br>7.00 Per MBM<br>8.00 Per MBM |
| Nov. 25              | Dec. 23           | McElroy Twp.  | 8              | 4              | King Kirkland Lumber St., 85 McKelvey St., Kirkland Lake, Ont.                        | Jackpine Logs<br>Spruce Logs<br>Spruce Pulpwood  | 4.00<br>4.00<br>.95  | 8.50<br>8.00<br>.40  | 1.50<br>2.00<br>1.40   | 14.00 Per MBM<br>14.00 Per MBM<br>2.75 Per Cord  |

TABLE No. 5

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1946 | Locality                     | No. of Tenders | To Whom Sold | Prices Paid                        |   |   | Total   |  |
|-------------------|----------------|------------------------------|----------------|--------------|------------------------------------|---|---|---|--|
|                   |                |                              |                |              | Kind of Timber                     |   |   |   |  |
| Nov. 29           | Dec. 27        | Dalhousie Twp.               | 1 1/4          | 3            | Wm. F. Umpherson, Poland, Ont.     | Pine Logs<br>Hemlock Logs<br>Maple Logs<br>Basswood Logs<br>Oak Logs<br>Beech Logs<br>Poplar Logs<br>Cedar Posts<br>Birch Logs    | \$2.50<br>3.50<br>4.50<br>4.50<br>5.00<br>4.00<br>4.00<br>.01<br>4.50 | \$7.50<br>1.50<br>2.50<br>2.50<br>2.50<br>2.50<br>3.00<br>.05<br>2.50 | \$2.50<br>8.50 Per MBM<br>11.50 Per MBM<br>11.50 Per MBM<br>12.00 Per MBM<br>9.00 Per MBM<br>9.00 Per MBM<br>.08 Each<br>11.50 Per MBM |
| Nov. 29           | Dec. 27        | Gould Twp.                   | 1 1/2          | 1            | T. G. Fleron, Thessalon Ont.       | Maple Logs<br>Birch Logs<br>Oak Logs<br>Hemlock Logs<br>Spruce & Balsam Logs<br>Pine Logs<br>Poplar Logs                          | 4.25<br>5.25<br>2.50<br>1.25<br>.....<br>.....<br>.....<br>.....      | 3.00<br>5.00<br>5.00<br>2.50<br>1.50<br>2.00<br>7.50<br>2.00          | 2.50<br>12.75 Per MBM<br>10.00 Per MBM<br>5.25 Per MBM<br>7.00 Per MBM<br>10.00 Per MBM<br>4.00 Per MBM                                |
| Dec. 3            | Dec. 30        | Glackmeyer Twp.              | 1/2            | 2            | George Debault, Cochrane, Ont.     | Spruce Pulpwood   | .10   | .20   | 1.40<br>1.70 Per Cord  |
| Dec. 3            | Dec. 30        | Denbigh and Matawatchan Twp. | 1 1/4          | 1            | Ellsworth Presley, Vernacher, Ont. | Spruce Balsam<br>Hemlock<br>Maple, Basswood,<br>Birch, Oak, Beech<br>and Elm<br>Poplar  | 1.00<br>1.00<br>1.00<br>1.00<br>1.00                                  | 5.00<br>3.50<br>2.00<br>2.00<br>2.00                                  | 2.00<br>6.00 Per MBM<br>6.00 Per MBM   |
| Dec. 4            | Dec. 30        | Lyndoch Twp.                 | 1 1/2          | 2            | August E. Quade, Quadville, Ont.   | Pine (Marked)<br>Birch, Maple, Beech,<br>Oak, Elm, Ash and<br>Basswood, Marked<br>Hemlock<br>Spruce and Balsam<br>Poplar<br>Birch | 6.00<br>5.00<br>5.00<br>3.00<br>5.50                                  | 7.50<br>4.50<br>4.50<br>3.00<br>4.50                                  | 2.50<br>2.50<br>16.00 Per MBM<br>12.00 Per MBM<br>10.00 Per MBM<br>12.00 Per MBM<br>8.00 Per MBM<br>12.50 Per MBM                      |

TABLE No. 5  
Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1946 | Date Sold 1947 | Locality         | Area sq. miles | No. of Tenders | To Whom Sold                                  | Prices Paid                  |        |        |                 | Total         |
|-------------------|----------------|------------------|----------------|----------------|---|------------------------------|--------|--------|-----------------|---------------|
|                   |                |                  |                |                |   | Kind of Timber               |        |        |                 |               |
| Dec. 6            | Jan.           | 3 Curtis Twp.    | 1 1/4          | 1              | S. T. Lewis, Searchmont, Ont.                 | Red & White Pine Logs \$ .50 | \$7.50 | \$2.50 | \$10.50 Per MBM |               |
|                   |                |                  |                |                |   | Spruce Logs .....            | .50    | 2.00   | 7.00 Per MBM    |               |
|                   |                |                  |                |                |   | Balsam Logs .....            | .50    | 2.00   | 7.00 Per MBM    |               |
|                   |                |                  |                |                |   | Hardwood Logs .....          | .50    | 2.50   | 6.00 Per MBM    |               |
|                   |                |                  |                |                |   | Cedar Poles 21 to 30 Ft.     | .....  | .25    | .50 Each        |               |
|                   |                |                  |                |                |   | 31 to 40 Ft.                 | .....  | .25    | .75 Each        |               |
| Dec. 17           | Jan.           | 6 Denbigh Twp.   | 1 1/2          | 2              | Eady & Graham, Cloyne, Ont.                   | Pine Logs                    | 10.00  | 7.50   | 2.50            | 20.00 Per MBM |
|                   |                |                  |                |                |   | Spruce & Balsam Logs         | 10.00  | 5.00   | 2.00            | 17.00 Per MBM |
|                   |                |                  |                |                |   | Hemlock Logs                 | 10.00  | 3.50   | 1.50            | 15.00 Per MBM |
|                   |                |                  |                |                |   | Hardwood Logs                | 10.00  | 4.50   | 2.50            | 17.00 Per MBM |
|                   |                |                  |                |                |   | Poplar Logs                  | 10.00  | 3.00   | 2.00            | 15.00 Per MBM |
| Dec. 18           | Jan.           | 6 Dowling Twp.   | 4 1/2          | 4              | L. Portelance, 5. Carleton St., Sudbury, Ont. | Red & W. Pine Logs           | 3.50   | 7.50   | 2.50            | 13.50 Per MBM |
|                   |                |                  |                |                |   | Jackpine Logs                | 3.50   | 6.50   | 1.50            | 11.50 Per MBM |
|                   |                |                  |                |                |   | Spruce Logs                  | 3.50   | 6.00   | 2.00            | 11.50 Per MBM |
|                   |                |                  |                |                |   | Balsam Logs                  | 3.50   | 6.00   | 2.00            | 11.50 Per MBM |
|                   |                |                  |                |                |   | Birch and Ash Logs           | 3.00   | 3.50   | 2.50            | 9.00 Per MBM  |
|                   |                |                  |                |                |   | Poplar Logs                  | 1.00   | 2.50   | 2.00            | 5.50 Per MBM  |
|                   |                |                  |                |                |   | Cedar Logs                   | 3.00   | 6.50   | 1.50            | 11.00 Per MBM |
| Dec. 12           | Jan.           | 7 Flett Twp.     | 9              | 2              | Jerry Larochele, Callander, Ont.              | Red & W. Pine Logs           | 5.00   | 8.00   | 2.50            | 15.50 Per MBM |
|                   |                |                  |                |                |   | Spruce Logs                  | 1.00   | 6.00   | 2.00            | 9.00 Per MBM  |
|                   |                |                  |                |                |   | Spruce Pulpwood              | .....  | .45    | 1.40            | 1.85 Per Cord |
|                   |                |                  |                |                |   | Poplar Pulpwood              | .....  | .45    | .40             | .85 Per Cord  |
| Dec. 12           | Jan.           | 8 Barrie Twp.    | 3/4            | 3              | Messrs. Wells Bros., Marmora, Ont.            | Red & W. Pine Logs           | 2.00   | 7.50   | 2.50            | 12.00 Per MBM |
|                   |                |                  |                |                |   | Spruce Logs                  | 3.00   | 5.00   | 2.00            | 10.00 Per MBM |
|                   |                |                  |                |                |   | Hemlock Logs                 | 2.50   | 3.50   | 1.50            | 7.50 Per MBM  |
|                   |                |                  |                |                |   | Hardwood Logs                | 3.00   | 4.50   | 2.50            | 10.00 Per MBM |
|                   |                |                  |                |                |   | Poplar Logs                  | 3.00   | 3.00   | 2.00            | 8.00 Per MBM  |
| Dec. 23           | Jan.           | 10 Wellison Twp. | 1              | 1              | W. E. McAuley, Elk Lake, Ont.                 | Spruce Logs                  | .50    | 6.00   | 2.00            | 8.50 Per MBM  |
|                   |                |                  |                |                |   | Jackpine Logs                | .50    | 6.50   | 1.50            | 8.50 Per MBM  |
|                   |                |                  |                |                |   | Poplar Logs                  | 1.00   | 3.00   | 2.00            | 6.00 Per MBM  |

TABLE No. 5

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered<br>1946 | Date Sold<br>1947 | Locality      | Area<br>sq.<br>miles | No. of<br>Ten-<br>ders | To Whom Sold                                  | Prices Paid   |   |   |   | Total   |
|----------------------|-------------------|---------------|----------------------|------------------------|---|---|---|---|---|---|
|                      |                   |               |                      |                        |   | Kind of Timber  |   |   |   |   |
| Dec. 23              | Jan. 20           | Mulligan Twp. | 1                    | 2                      | Milton Irvine,<br>Box 109,<br>Englehart, Ont. | Red & W. Pine Logs<br>Jackpine Logs<br>Spruce Logs  | \$1.50<br>1.25<br>1.25  | \$7.00<br>7.00<br>6.50  | \$2.50<br>1.50<br>2.00  | \$11.00 per MBM<br>9.75 Per MBM<br>9.75 Per MBM   |
| Dec. 30              | Jan. 16           | Truax Twp.    | ½                    | 1                      | William Gregory<br>Charlton Station,<br>Ont.  | Jackpine Logs<br>Spruce Logs<br>Poplar Logs   | .....<br>.....<br>.....   | 6.50<br>6.00<br>3.50  | 1.50<br>2.00<br>2.00  | 8.00 Per MBM<br>8.00 Per MBM<br>5.50 Per MBM  |
| 1947                 | Jan. 9            | Grassett Twp. | 3½                   | 2                      | T. G. Fleron,<br>Thessalon, Ont.              | Hemlock Logs<br>Hardwood Logs<br>Poplar Logs<br>Spruce & Balsam Logs<br>Pine Logs<br>Cedar Poles<br>21 to 30 Feet<br>31 to 40 Feet<br>Up to 50 Feet | 3.50<br>5.25<br>4.50<br>2.00<br>5.00<br>2.00<br>.10<br>.10<br>.10 | 2.50<br>2.50<br>2.00<br>2.00<br>2.00<br>7.50<br>.25<br>.25<br>.25 | 1.50<br>2.50<br>2.00<br>2.00<br>2.00<br>2.50<br>.25<br>.25<br>.25 | 7.50 Per MBM<br>12.25 Per MBM<br>4.00 Per MBM<br>7.00 Per MBM<br>12.00 Per MBM<br>.60 Per Pole<br>.85 Per Pole<br>1.10 Per Pole |
| Jan. 9               | Jan. 29           | Whitney Twp.  | 1½                   | 3                      | J. P. Roy,<br>Timmins, Ont.                   | Spruce Logs<br>Spruce Pulpwood<br>Balsam Pulpwood<br>Hard Fuelwood<br>Soft Fuelwood   | 2.50<br>.90<br>.....<br>.25<br>.25                                | 7.00<br>.45<br>2.05<br>.15<br>.15                                 | 2.00<br>1.40<br>2.75<br>.50<br>.25                                | 11.50 Per MBM<br>2.75 Per Cord<br>2.75 Per Cord<br>.90 Per Cord<br>.65 Per Cord   |
| Jan. 9               | Jan. 29           | Blain Twp.    | 1½                   | 2                      | Herbert A. Palmer,<br>Charlton, Ont.          | Jackpine Logs<br>Spruce Pulpwood<br>Poplar Pulpwood   | 1.50<br>.....<br>.....  | 7.00<br>.45<br>.25  | 1.50<br>1.40<br>.40   | 10.00 Per MBM<br>1.85 Per Cord<br>.75 Per Cord  |
| Jan. 15              | Feb. 4            | Ashby Twp.    | 1½                   | 3                      | Ed. Crewson,<br>Warkworth, Ont.               | Pine Logs<br>Spruce & Balsam Logs<br>Hemlock Logs<br>Hardwood Logs<br>Cedar Logs  | 11.00<br>8.00<br>10.00<br>10.00<br>12.00                          | 7.50<br>5.00<br>3.50<br>4.50<br>4.50                              | 2.50<br>2.00<br>1.50<br>2.50<br>1.50                              | 21.00 Per MBM<br>15.00 Per MBM<br>15.00 Per MBM<br>17.00 Per MBM<br>18.00 Per MBM   |

TABLE NO. 5  
Timber Areas Sold during the year ending March 31, 1947

| Date Offered<br>1947 | Date Sold<br>1947 | Locality     | Area sq.<br>miles | No. of<br>Tenders | To Whom Sold   | Prices Paid   |   |   |   | Total   |  |
|----------------------|-------------------|--------------|-------------------|-------------------|--|---|---|---|---|---|--|
|                      |                   |              |                   |                   |  | Kind of Timber  | Bid   | Upset   | Dues  |   |  |
| Jan. 20              | Feb. 10           | Colenso Twp. | 18                | 3                 | Steinbach Lumber<br>Yards<br>Quibell, Ont.                 | Jackpine Pulpwood<br>Spruce Logs<br>Spruce Pulp<br>Spruce Logs<br>Poplar Pulpwood<br>Poplar Logs<br>Balsam Pulpwood | \$.01<br>.00 3/4<br>.00 1/2<br>.00 3/4<br>.00 1/2<br>.00 1/4<br>.00 1/2 | \$.01<br>.02 1/2<br>.01 1/2<br>.02 1/2<br>.00 1/2<br>.01 3/4<br>.00 3/4 | .....<br>.....<br>.....<br>.....<br>.....<br>.....<br>..... | \$.02 per Cu. Ft.<br>.03 1/2 per Cu. Ft.<br>.02 per Cu. Ft.<br>.03 1/4 per Cu. Ft.<br>.01 per Cu. Ft.<br>.02 per Cu. Ft.<br>.01 1/4 per Cu. Ft. |  |
| Jan. 22              | Feb. 12           | McLure Twp.  | 1/2               | 2                 | Herbert A. Palmer,<br>Charlton, Ont.                       | Jackpine Logs<br>Spruce Pulpwood<br>Poplar Pulpwood   | 1.50<br>.10<br>.10  | 7.00<br>.45<br>.25  | \$1.50<br>1.40<br>.40                                       | 10.00 Per MBM<br>1.85 Per Cord<br>.75 Per Cord  |  |
| Jan. 27              | Feb. 17           | Kendry Twp.  | 3/4               | 1                 | Thomas Moore,<br>Smooth Rock Falls,<br>Ont.                | Spruce Logs<br>Poplar Logs<br>Spruce Pulpwood<br>Balsam Pulpwood<br>Fuelwood (Hard)<br>Fuelwood (Soft)              | .05<br>.05<br>.05<br>.05<br>.25<br>.05                                  | 7.00<br>3.00<br>.60<br>.1.30<br>.25<br>.25                              | 2.00<br>2.00<br>1.40<br>.70<br>.50<br>.25                   | 9.05 Per MBM<br>5.50 Per MBM<br>2.05 Per Cord<br>2.05 Per Cord<br>.80 Per Cord<br>.55 Per Cord  |  |
| Jan. 28              | Feb. 17           | Bowman Twp.  | 1                 | 1                 | Briscoe Bros.,<br>Box 103,<br>Matheson, Ont.               | Poplar Logs<br>Poplar Pulpwood  | 1.25<br>.10   | 3.00<br>.25   | 2.00<br>.40   | 6.25 Per MBM<br>.75 Per Cord  |  |
| Jan. 28              | Feb. 17           | Aldina Twp.  | 2                 | 1                 | Messrs. H. G.<br>Winslow and Sons,<br>Kakabeka Falls, Ont. | Jackpine Logs<br>Poplar Logs<br>Jackpine Pulpwood<br>Poplar   | 1.00<br>1.00<br>.10<br>.15  | 7.00<br>3.00<br>.40<br>.30  | 1.50<br>2.00<br>.40<br>.40                                  | 9.50 Per MBM<br>6.00 Per MBM<br>.90 Per Cord<br>.85 Per Cord  |  |
| Feb. 1               | Feb. 19           | Eby Twp.     | 1                 | 2                 | R. Sparks,<br>Swastika, Ont.                               | Jackpine Logs<br>Poplar Logs<br>Spruce Pulpwood<br>J. Pine Pit Props<br>Poplar Pulpwood<br>Birch Fuelwood           | 5.00<br>2.50<br>.45<br>1.00<br>.10<br>.10                               | 7.50<br>2.50<br>.40<br>1.10<br>.25<br>.15                               | 1.50<br>2.00<br>.40<br>.40<br>.40<br>.50                    | 14.00 Per MBM<br>7.00 Per MBM<br>2.25 Per Cord<br>2.50 Per Cord<br>.75 Per Cord<br>.75 Per Cord   |  |

TABLE NO. 5

## Timber Areas Sold during the year ending March 31, 1947

| Date Offered 1947 | Date Sold 1947 | Locality         | Area sq. miles | No. of Tenders | To Whom Sold                                   | Prices Paid          |         |        |        | Total           |
|-------------------|----------------|------------------|----------------|----------------|--|----------------------|---------|--------|--------|-----------------|
|                   |                |                  |                |                |  | Kind of Timber       |         |        |        |                 |
| Feb. 1            | Feb. 19        | Wilberforce Twp. | 1/4            | 3              | Charles Lynch Douglas, Ont.                    | White Pine Logs      | \$11.00 | \$9.50 | \$2.50 | \$23.00 Per MBM |
|                   |                |                  |                |                |  | Maple Logs           | 9.00    | 4.50   | 2.50   | 16.00 Per MBM   |
|                   |                |                  |                |                |  | Birch Logs           | 9.00    | 4.50   | 2.50   | 16.00 Per MBM   |
|                   |                |                  |                |                |  | Basswood Logs        | 12.00   | 4.50   | 2.50   | 19.00 Per MBM   |
|                   |                |                  |                |                |  | Poplar and other     |         |        |        |                 |
|                   |                |                  |                |                |  | Softwood Logs        | 8.00    | 4.00   | 2.00   | 14.00 Per MBM   |
|                   |                |                  |                |                |  | Poplar Pulpwood      | 2.00    | .60    | .40    | 3.00 Per Cord   |
|                   |                |                  |                |                |  | Fuelwood (Hard)      | .50     | .50    | .50    | 1.50 Per Cord   |
|                   |                |                  |                |                |  | Fuelwood (Soft)      | .50     | .25    | .25    | 1.00 Per Cord   |
|                   |                |                  |                |                |  | Cedar Posts 8'       | .05     | .03    | .02    | .10 Each        |
| Feb. 14           | Mar. 4         | Cardiff Twp.     | 1 1/2          | 3              | T. A. Wilson Lumber Co. Ltd., Cannington, Ont. | Pine Logs            | 4.25    | 7.50   | 2.50   | 14.25 Per MBM   |
|                   |                |                  |                |                |  | Spruce & Balsam Logs | 2.25    | 5.00   | 2.00   | 9.25 Per MBM    |
|                   |                |                  |                |                |  | Hemlock Logs         | 3.25    | 3.50   | 1.50   | 8.25 Per MBM    |
|                   |                |                  |                |                |  | Cedar Logs           | 2.25    | 4.50   | 1.50   | 8.25 Per MBM    |
|                   |                |                  |                |                |  | Tamarac Logs         | 2.25    | 4.50   | 1.50   | 8.25 Per MBM    |
|                   |                |                  |                |                |  | Maple Logs           | 3.25    | 4.50   | 2.50   | 10.25 Per MBM   |
|                   |                |                  |                |                |  | Birch Logs           | 4.25    | 4.50   | 2.50   | 11.25 Per MBM   |
|                   |                |                  |                |                |  | Oak Logs             | 4.25    | 4.50   | 2.50   | 11.25 Per MBM   |
|                   |                |                  |                |                |  | Basswood Logs        | 5.25    | 3.50   | 2.50   | 12.25 Per MBM   |
|                   |                |                  |                |                |  | Elm Logs             | 3.25    | 3.50   | 2.50   | 9.25 Per MBM    |
|                   |                |                  |                |                |  | Ash Logs             | 3.25    | 3.50   | 2.50   | 9.25 Per MBM    |
|                   |                |                  |                |                |  | Beech Logs           | 3.25    | 3.50   | 2.50   | 9.25 Per MBM    |
|                   |                |                  |                |                |  | Poplar Logs          | 2.00    | 3.00   | 2.00   | 7.25 Per MBM    |

TABLE NO. 6

Timber Areas Abandoned in the Year Ending March 31, 1947

| Date Sold   | Date of Abandonment | Locality   | Area Square Miles | Licensee  | Kind of Timber  |
|-------------|---------------------|--|-------------------|---|---|
| Oct. 15/42  | Mar. 1/46           | Best Twp.  | 1 1/4             | A. J. Murphy Lbr. Co., Latchford, Ont.                          | Red and White Pine Spruce and Jack-pine Logs              |
| Sept. 4/29  | May 1/46            | Area lying West of W-2                                     | 2                 | Peter A. Legrow, 242 N. Algoma St., Port Arthur, Ont.           | Jackpine Ties Spruce Pulpwood Jackpine Logs               |
| July 17/41  | May 7/46            | Devitt Twp.  | 1/4               | E. Comeau, Val Cote, Ont.                                       | Spruce Pulpwood Balsam Pulpwood                           |
| May 25/45   | May 1/46            | Rickaby and Lapierre Twp.                                  | 2                 | Sturgeon Tbr. Co., per P. A. Legrow, Box 506, Port Arthur, Ont. | Jackpine Pulpwood Spruce Pulpwood                         |
| Dec. 27/20  | May 9/46            | Nichol Twp.  | 36                | Booth Lumber Ltd., Ottawa, Ont.                                 | Red and White Pine Logs                                   |
| Dec. 27/20  | May 9/46            | Charters Twp.  | 36                | Booth Lumber Ltd., Ottawa, Ont.                                 | Red and White Pine Logs                                   |
| May 29/44   | May 15/46           | Brower Twp.  | 1/4               | T. B. Skidmore, Brower, Ont.                                    | Spruce Pulpwood   |
| June 12/41  | May 15/46           | Kendrey Twp.   | 1 1/4             | J. M. Charpentier, Driftwood, Ont.                              | Spruce Pulpwood Balsam Pulpwood                           |
| June 8/43   | May 29/46           | Morrisette Twp.  | 4 1/2             | Haileybury Lumber Co., Ltd., Haileybury, Ont.                   | Spruce Logs Jackpine Logs White Pine Logs                 |
| Mar. 3/38   | May 28/46           | Tudor Twp.   | 1/2               | H. C. Lloyd, Bannockburn, Ont.                                  | All Species   |
| Sept. 30/40 | May 28/46           | Tudor Twp.   | 1                 | H. C. Lloyd, Bannockburn, Ont.                                  | All Species   |
| Dec. 1/39   | May 2/46            | Aberdeen-Additional Twp.                                   | 1/4               | John O. McLeod, Leeburn, Ont.                                   | All Species   |
| Mar. 20/40  | May 23/46           | Skead Twp.   | 1/2               | T. S. Woollings, Englehart, Ont.                                | Spruce Logs Balsam Pulpwood Spruce Pulpwood               |
| Sept. 29/41 | June 13/46          | Area unsurveyed West of Redditt Twp. Designated as T.B. 48 | 1/2               | A. Leydier, Kenora, Ont.  | Spruce Logs Jackpine Logs Spruce Pulpwood Balsam Pulpwood |
| Aug. 21/44  | May 30/46           | Owens Twp.   | 1/4               | F. Gallant, Val Rita, Ont.                                      | Spruce Pulpwood Balsam Pulpwood                           |
| Jan. 26/42  | June 31/46          | Somerville Twp.  | 1/2               | S. Bryant, Norland, Ont.  | All Species   |
| Sept. 22/41 | June 17/46          | Williamson Twp.  | 1/2               | J. E. Tremblay, Harty, Ont.                                     | Spruce Pulpwood Balsam Pulpwood                           |
| July 29/43  | June 17/46          | Owens Twp.   | 1/2               | W. Bergeron, Harty, Ont.  | Spruce Pulpwood Balsam Pulpwood                           |

TABLE No. 6  
Timber Areas Abandoned in the Year Ending March 31, 1947

| Date Sold  | Date of Abandonment | Locality             | Area Square Miles | Licensee                               | Kind of Timber   |
|------------|---------------------|----------------------|-------------------|--|--|
| Aug. 16/43 | June 21/46          | Nansen Twp.          | ¼                 | W. Lamontagne, Moonbeam, Ont.          | Spruce Pulpwood<br>Balsam Pulpwood   |
| Apr. 20/39 | June 21/46          | Tudor Twp.           | ¼                 | G. W. Jones, Bancroft, Ont.            | Spruce Pulpwood<br>Balsam Pulpwood<br>Poplar Pulpwood                              |
| Jan. 22/38 | May 17/46           | Barrie Twp.          | ¾                 | J. A. Newton, Arden, Ont.              | All Species  |
| Nov. 21/38 | July 15/46          | Firstbrook Twp.      | ¾                 | S. Norfolk, Haileybury, Ont.           | Red and White Pine Logs<br>Jackpine Logs<br>Spruce Logs<br>Cedar Logs              |
| May 30/40  | July 8/46           | Crerar Twp.          | 1                 | Alfred Gignac, River Valley, Ont.      | Spruce Pulpwood<br>Poplar Pulpwood   |
| Nov. 12/40 | July 15/46          | Bayly and Skead Twp. | 3½                | Robt. MacCallum, Earlton, Ont.         | Spruce Logs<br>Jackpine Logs<br>Spruce Pulpwood                                    |
| May 17/45  | July 15/46          | Leith and Ray Twp.   | 5                 | W. H. Durrell, New Liskeard, Ont.      | All Species  |
| Dec. 30/40 | July 22/46          | Machin Twp.          | ¼                 | Arthur Gauthier, Fauquier, Ont.        | Spruce Pulpwood<br>Balsam Pulpwood   |
| Jan. 23/41 | Aug. 7/46           | Awers Twp.           | ¾                 | William Boston, Sault Ste. Marie, Ont. | Hardwood   |
| May 20/39  | Aug. 13/46          | Lake Twp.            | ¼                 | W. J. McCoy, Eldorado, Ont.            | Maple Logs<br>Basswood Logs<br>Elm Logs<br>Spruce Logs<br>Balsam Pulpwood          |
| Dec. 30/41 | Aug. 13/46          | Mayo Twp.            | ¾                 | Howard Hostler, Hermon, Ont.           | Spruce Pulpwood<br>Balsam Pulpwood<br>Poplar Pulpwood<br>Maple Logs<br>Spruce Logs |
| Jan. 17/42 | Aug. 13/46          | Sabine Twp.          | 1                 | Judson A. Gunter, Princes Lake, Ont.   | Birch Logs<br>Pine Logs<br>Hemlock Logs<br>Maple Logs<br>Beech Logs                |
| Mar. 18/37 | Aug. 13/46          | Sabine Twp.          | 1½                | Judson A. Gunter, Princes Lake, Ont.   | All Species  |
| May 22/40  | Aug. 19/46          | Richardson Twp.      | ¼                 | Harvey Isberg, Sleeman, Ont.           | Jackpine Logs<br>Jackpine Pulpwood<br>Poplar Pulpwood<br>Spruce Pulpwood           |

TABLE No. 6

Timber Areas Abandoned in the Year Ending March 31, 1947

| Date Sold   | Date of Abandonment | Locality                       | Area Square Miles | Licensee   | Kind of Timber   |
|-------------|---------------------|--------------------------------|-------------------|--|--|
| Jan. 13/25  | Aug. 19/46          | Gladman Twp.                   | 10                | L. B. Christie,<br>Box 7, 24 Fraser St.<br>North Bay, Ont. | Red and White<br>Pine Logs<br>Cedar Poles                            |
| Apr. 20/39  | Sept. 13/46         | Herschell Twp.                 | 1                 | G. W. Jones,<br>Bancroft, Ont.                             | Spruce Pulpwood<br>Balsam Pulpwood                                   |
| Apr. 20/39  | Sept. 13/46         | Mayo and Ashby<br>Twps.        | 1                 | G. W. Jones,<br>Bancroft, Ont.                             | Spruce Pulpwood<br>Balsam Pulpwood<br>Poplar Pulpwood                |
| Apr. 20/39  | Sept. 13/46         | Wollaston Twp.                 | ¾                 | G. W. Jones,<br>Bancroft, Ont.                             | Spruce Pulpwood<br>Balsam Pulpwood<br>Poplar Pulpwood                |
| Nov. 29/43  | Sept. 13/46         | Hartman Twp.                   | ¼                 | G. L. Pidgeon,<br>Wabigoon, Ont.                           | Jackpine Logs<br>Spruce Logs<br>Spruce Pulpwood<br>Jackpine Pulpwood |
| Nov. 12/40  | Sept. 13/46         | Montgomery and<br>Patton Twps. | ½                 | Wm. Laforge,<br>Iron Bridge, Ont.                          | Hardwood Logs<br>Hemlock Logs  |
| Nov. 5/28   | Sept. 13/46         | Bond Twp.                      | ½                 | J. W. Quirion,<br>Connaught Stn.,<br>Ont.                  | Spruce Pulpwood<br>Balsam Pulpwood                                   |
| Sept. 30/37 | Oct. 1/46           | Zealand Twp.                   | ½                 | George H. Leach,<br>Dryden, Ont.                           | Jackpine Pulpwood<br>Spruce Pulpwood                                 |
| Oct. 27/43  | Oct. 8/46           | Haycock Twp.                   | ½                 | John Shamlock,<br>Box 944,<br>Kenora, Ont.                 | Spruce Pulpwood  |
| Nov. 27/44  | Oct. 10/46          | Janes Twp.                     | 1½                | Mattawa Wood<br>Products, Ltd.,<br>North Bay, Ont.         | Jackpine Pulpwood  |
| Oct. 30/39  | Oct. 11/46          | Clement and<br>Scholes Twp.    | 17                | Geo. Gordon &<br>Co., Ltd.,<br>Cache Bay, Ont.             | Red and White<br>Pine Logs   |
| Nov. 12/37  | Oct. 8/46           | Galbraith Twp.                 | ¼                 | Murray Bean,<br>Bruce Stn., Ont.                           | Spruce Pulpwood<br>Balsam Pulpwood                                   |
| July 25/41  | Oct. 8/46           | Radcliffe Twp.                 | ¼                 | F. A. Smaglinskie,<br>Wilno, Ont.                          | Poplar Pulpwood  |
| Aug. 17/38  | Nov. 25/46          | Doyle Twp.                     | 5                 | John W. Fogg, Ltd.,<br>Timmins, Ont.                       | Red and White<br>Pine Logs<br>Jackpine Logs<br>Spruce Logs           |
| Dec. 20/40  | Dec. 2/46           | Melick Twp.                    | ¼                 | John Wyder,<br>Box 352,<br>Kenora, Ont.                    | Jackpine Logs<br>Spruce Pulpwood<br>Balsam Pulpwood                  |
| Nov. 3/42   | Nov. 28/46          | Between Twps.<br>83 and 84     | 2                 | J. Cebrario,<br>Schrieber, Ont.                            | Spruce Logs<br>Jackpine Logs   |

TABLE No. 6

Timber Areas Abandoned in the Year Ending March 31, 1947

| Date Sold  | Date of Abandonment | Locality  | Area Square Miles | Licensee  | Kind of Timber                         |
|------------|---------------------|---|-------------------|---|--|
| Dec. 4/39  | Dec. 27/46          | Victoria Twp.                                     | 1                 | J. Whalen, Walford, Ont.                                | Spruce Pulpwood<br>Balsam Pulpwood     |
| Oct. 11/41 | Mar. 31/46          | Denbigh Twp.                                      | ½                 | Frank Edwards, Denbigh, Ont.                            | All Species                            |
| Nov. 23/43 | Mar. 31/47          | Head Twp.   | 2½                | Emil & Albert Zadow, 670 Pembroke St. W. Pembroke, Ont. | Red and White Pine Logs<br>Poplar Logs |
| Nov. 23/36 | Mar. 3/47           | Parcels 1, 2, 3 & 4 on South Arm of Kenogami Lake | 9                 | Lars Lahti, Geraldton, Ont.                             | Jackpine Logs<br>Spruce Logs           |

TABLE No. 7

Timber Areas Transferred during the year ending March 31, 1947

| Date Sold  | Date Transferred | Locality                          | Area Square Miles | Transferee   | Kind of Timber   |
|------------|------------------|-----------------------------------|-------------------|--|--|
| Mar. 1/27  | Apr. 10/46       | Beniah, Menapie and Thorning Twp. | 143½              | A. E. Wicks, Ltd., Cochrane, Ont.                    | Spruce Logs<br>Balsam Logs<br>Spruce, Balsam and other Pulpwoods                                 |
| Dec. 18/44 | June 4/46        | Twp. 28                           | 4                 | Armour & Graham, Ltd., 24 King St. W., Toronto, Ont. | Jackpine Logs<br>Spruce Logs<br>Jackpine Pitprops<br>Spruce Pitprops                             |
| Jan. 3/45  | June 17/46       | Hanlan Twp.                       | 1½                | Leonides Boisvert, La Sarre, Que.                    | Poplar Logs<br>Spruce Pulpwood<br>Balsam Pulpwood  |
| Apr. 26/37 | June 7/46        | Adrian Twp.                       | 6½                | Nicholas Enders, Kakabeka Falls, Ont.                | White Pine Logs<br>Spruce and Balsam Pulpwood<br>Birch, Spruce and Balsam Logs<br>Birch Fuelwood |
| May 16/45  | July 11/46       | Rupert and Esnagami Twp.          | 15                | Donald A. Clark, Port Arthur, Ont.                   | Jackpine   |
| Jan. 12/07 | June 19/46       | Montreal River Pulp Conc.         | 1152              | E. B. Eddy Co., Hull, Que.                           | Spruce, Balsam and other Pulpwood  |
| May 30/40  | Sept. 5/46       | Area in vicinity of Nulla Lake    | 1                 | Harry Thomas, Port Arthur, Ont.                      | Spruce Pulpwood<br>Balsam Pulpwood<br>Pine Timber<br>Spruce Logs<br>Balsam Logs                  |

TABLE NO. 7

Timber Areas Transferred during the year ending March 31, 1947

| Date Sold        | Date Transferred | Locality                    | Area Square Miles | Transferee   | Kind of Timber   |
|------------------|------------------|-----------------------------|-------------------|--|--|
| Jan. 20/43       | Sept. 5/46       | Black Twp.                  | 6                 | E. V. Woollings,<br>Englehart, Ont.                                  | Jackpine Logs<br>Spruce Logs<br>Spruce Pulpwood<br>Balsam Pulpwood<br>Poplar Pulpwood            |
| Nov. 26/45       | Jan. 13/47       | Cochrane Twp.               | 1 1/4             | K. W. Biglow,<br>Devon, Ont.   | Jackpine Logs<br>Spruce Pitprops<br>Jackpine Pitprops  |
| July 18/46       | Nov. 5/46        | Eby Twp.                    | 1/2               | Chas. Marshall,<br>Swastika, Ont.                                    | Spruce Pulpwood<br>Balsam Pulpwood   |
| Dec. 18/87       | Oct. 15/46       | Livingstone Twp.            | 4 1/4             | National Lumber<br>Co., Ltd.,<br>80 Richmond St. W.<br>Toronto, Ont. | All Species  |
| Feb. 28/44       | Jan. 13/47       | North Indian<br>Res. No. 23 | 6                 | Eric Pearson and<br>Paul Engblom,<br>Fort Frances, Ont.              | Jackpine Logs<br>Spruce Logs<br>Poplar Logs<br>Jackpine Pulpwood                                 |
| Jan. 11/37       | Nov. 28/46       | MacLennan Twp.              | 3 1/4             | Del Doaust and<br>John Morbin,<br>Skead, Ont.                        | Red and White<br>Pine Logs<br>Jackpine Logs<br>Spruce Logs<br>Poplar Pulpwood<br>Spruce Pulpwood |
| Nov. 1/46        | Dec. 21/46       | Little Twp.                 | 1 1/4             | Feldman Timber<br>Co. Ltd.,<br>Schumacher, Ont.                      | Spruce Logs<br>Poplar Logs<br>Spruce Pulpwood<br>Balsam Pulpwood                                 |
| Dec. 9/35        | Jan. 27/47       | Pense Twp.                  | 1/2               | Ben Crick,<br>Hilliardton, Ont.                                      | White Pine Logs<br>Spruce Logs<br>Spruce Pulpwood  |
| Oct. 4/39        | Jan. 27/47       | Pense Twp.                  | 1 1/4             | Ben Crick,<br>Hilliardton, Ont.                                      | Red and White<br>Pine Logs<br>Spruce Logs<br>Birch Logs  |
| Sept. 19/45      | Nov. 19/46       | Phelps Twp.                 | 9                 | Pannill Lumber<br>Co. Ltd.,<br>42 Edward St.,<br>Kitchener, Ont.     | Hardwood Logs<br>Hemlock Logs<br>Spruce Logs   |
| 1895-96          | June 24/46       | Pentland Twp.               | 24 1/4            | Staniforth Lumber<br>Co.,<br>437 James St.,<br>Montreal, Que.        | All Species  |
| 1878-79          | Jan. 13/47       | Lavant Twp.                 | 15 3/4            | Mary C. Herron,<br>R.R. 2,<br>Lanark, Ont.                           | All Species  |
| Prior to<br>1879 | Dec. 16/46       | Anstruther Twp.             | 5 1/4             | Ernest Caldwell,<br>Hockley, Ont.                                    | All Species  |

TABLE No. 7

Timber Areas Transferred during the year ending March 31, 1947

| Date Sold        | Date Transferred | Locality  | Area<br>Square<br>Miles | Transferee  | Kind of Timber  |
|------------------|------------------|---|-------------------------|---|---|
| 1878-79          | Sept. 26/46      | Admaston Twp.   | 2 $\frac{3}{4}$         | M. E. McNulty,<br>Mt. St. Patrick,<br>Ont.                                    | All Species   |
| Prior to<br>1879 | Jan. 13/47       | Berth 175   | 18                      | I. E. Provencher,<br>Blind River, Ont.  | All Species   |
| Prior to<br>1879 | Nov. 19/46       | Bethune Twp.  | 8 $\frac{3}{4}$         | Frank H. Harris<br>Lumber Co. Ltd.,<br>Excelsior Life Bldg.,<br>Toronto, Ont. | All Species   |
| Prior to<br>1879 | May 19/46        | South Canonto<br>Twp.                                     | 1 $\frac{1}{2}$         | B. W. and O. E.<br>Rothwell,<br>Lanark, Ont.                                  | All Species   |
| Prior to<br>1879 | May 19/46        | South Canonto<br>Twp.                                     | 2                       | B. W. and O. E.<br>Rothwell,<br>Lanark, Ont.                                  | All Species   |
| Prior to<br>1879 | June 3/46        | Pts. Burnaby,<br>Hebert and<br>Eldridge Twp.              | 50                      | Gillies Bros. and<br>Co. Ltd.,<br>Braeside, Ont.                              | All Species   |
| Prior to<br>1879 | June 3/46        | Pts. Flett,<br>Angus and<br>Parkman Twp.                  | 36                      | Gillies Bros. and<br>Co. Ltd.,<br>Braeside, Ont.                              | All Species   |
| Prior to<br>1879 | June 3/46        | Pts. LaSalle,<br>Angus, McAusland,<br>and Parkman<br>Twp. | 59                      | Gillies, Bros. and<br>Co. Ltd.,<br>Braeside, Ont.                             | All Species   |
| Prior to<br>1879 | June 3/46        | Pts. Wyse,<br>Parkman and<br>McAusland Twp.               | 36                      | Gillies Bros. and<br>Co. Ltd.,<br>Braeside, Ont.                              | All Species   |
| Prior to<br>1879 | June 3/46        | Pt. Parkman<br>Twp.                                       | 17 $\frac{1}{2}$        | Gillies Bros. and<br>Co. Ltd.,<br>Braeside, Ont.                              | All Species   |
| Prior to<br>1879 | May 19/46        | South Canonto<br>Twp.                                     | $\frac{1}{2}$           | B. W. and O.E.<br>Rothwell,<br>Lanark, Ont.                                   | All Species   |
| 1890-91          | May 19/46        | South Canonto<br>Twp.                                     | 4 $\frac{1}{4}$         | B. W. and O. E.<br>Rothwell,<br>Lanark, Ont.                                  | All Species   |
| July 30/46       | Jan. 9/47        | Sheraton Twp.   | 2 $\frac{1}{4}$         | Bouchard Timber<br>Co.,<br>125 Wilson Ave.,<br>Timmins, Ont.                  | Jackpine Logs<br>Poplar Logs<br>Jackpine Pulpwood<br>Poplar Pulpwood<br>Balsam Pulpwood<br>Spruce Pulpwood<br>Jackpine Fuelwood<br>and Pitprops |
| Aug. 15/46       | Jan. 9/47        | Sheraton Twp.   | 1 $\frac{1}{2}$         | E. Mainville,<br>66 Main St.,<br>Timmins, Ont.                                | Jackpine Logs<br>Jackpine Fuelwood<br>Jackpine Pitprops   |

TABLE No. 7

Timber Areas Transferred during the year ending March 31, 1947

| Date Sold     | Date Transferred | Locality  | Area Square Miles | Transferee  | Kind of Timber   |
|---------------|------------------|---|-------------------|---|--|
| Prior to 1879 | June 21/46       | Berth 107   | 36                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | June 21/46       | Bigelow Twp.                                      | 3½                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | June 21/46       | Acheson Twp.                                      | 36                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | June 21/46       | Vernon Twp.                                       | 36                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | June 21/46       | Hyman Twp.  | 36                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | June 21/46       | Totten Twp.                                       | 36                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | June 21/46       | Porter Twp.                                       | 36                | K.V.P. Co. Ltd., Kalamazoo, Mich., U.S.A.                 | All Species  |
| Prior to 1879 | Feb. 17/47       | Stanhope Twp.                                     | 5                 | Hodgson Jones Lumber Co. Ltd., 320 Bay St., Toronto, Ont. | All Species  |
| Prior to 1879 | Feb. 17/47       | Sherbourne Twp.                                   | 10½               | Hodgson Jones Lumber Co. Ltd., 320 Bay St., Toronto, Ont. | All Species  |
| Prior to 1879 | Feb. 17/47       | Stanhope Twp.                                     | 11                | Hodgson Jones Lumber Co. Ltd., 320 Bay St., Toronto, Ont. | All Species  |
| Prior to 1879 | July 17/47       | Pts. Eddy, Jocko, Clarkson, Wyse and Poitras Twp. | 50                | Guelph Cask, Veneer & Plywood Co. Ltd., Scotstown, Ont.   | All Species  |
| Feb. 5/45     | Mar. 20/47       | McFadden Twp.                                     | 12                | Chesterville Mines Ltd., 330 Bay St., Toronto, Ont.       | White Pine Logs<br>Red Pine Logs<br>Jackpine Logs<br>Spruce Logs<br>Spruce Pulpwood<br>Balsam Pulpwood |







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